The UCF Creed

Integrity, scholarship, community, creativity, and excellence are the core values that guide our conduct, performance, and decisions. These values comprise the guiding principles that direct the actions of the University, its students, and its employees.

**Integrity**
I will practice and defend academic and personal honesty.

**Scholarship**
I will cherish and honor learning as a fundamental purpose of my membership in the UCF community.

**Community**
I will promote an open and supportive campus environment by respecting the rights and contributions of every individual.

**Creativity**
I will use my talents to enrich the human experience.

**Excellence**
I will strive toward the highest standards of performance in any endeavor I undertake.

PEGASUS was the winged horse of the muses in Greek Mythology. It carried their hopes, their aspirations, and their poetry into the skies. PEGASUS is as futuristic as tomorrow’s space exploration in our solar system and into the universe beyond. The seal also bridges the gap between the humanities and space technology.

UCF Stands For Opportunity
Mission Statement

The University of Central Florida is a public multi-campus, metropolitan research university that stands for opportunity. The university anchors the Central Florida city-state in meeting its economic, cultural, intellectual, environmental and societal needs by providing high-quality, broad-based education and experienced-based learning; pioneering scholarship and impactful research; enriched student development and leadership growth; and highly relevant continuing education and public service initiatives that address pressing local, state, national, and international issues in support of the global community.
Welcome to the University of Central Florida!

UCF stands for opportunity, and many possibilities for professional and personal growth await you. Work hard in your classes and participate fully in extra-curricular activities, and you will be rewarded with an excellent education along with experiences that will enrich your life.

Our classrooms, laboratories, and studios provide excellent venues for academic growth. But you will also learn important lessons when you volunteer to help others, play sports, get involved in student government, and participate in any of the numerous clubs and organizations on campus.

This is an exciting time to be a student at UCF. Our academic programs are setting the standard for institutions of higher education, our faculty members are nationally renowned for their teaching and research, our academic service-learning program is among the largest in the nation, and our athletic teams compete with the best in the country.

As you seize the opportunities at UCF, focus on reaching your full potential. Make the UCF Creed an integral part of your value system: practice personal honesty, cherish learning, respect the rights of every individual, enrich the human experience, and strive toward the highest standards of personal performance. In short, conduct yourself on campus and in the community to bring distinction to you and to our university.

UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 250,000 alumni whose lives have been enhanced by their UCF experience.

I wish for you much success and happiness during this coming year. Enjoy UCF, and go Knights!

Cordially yours,

John C. Hitt
President
<table>
<thead>
<tr>
<th>Table of Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITY OF CENTRAL FLORIDA</td>
<td></td>
</tr>
<tr>
<td>University Administration</td>
<td>8</td>
</tr>
<tr>
<td>Academic Calendars</td>
<td>10</td>
</tr>
<tr>
<td>University Notices</td>
<td>12</td>
</tr>
<tr>
<td>Undergraduate Academic Policy Statement</td>
<td>12</td>
</tr>
<tr>
<td>Non-Discrimination Policy</td>
<td>12</td>
</tr>
<tr>
<td>Drug-Free Workplace/Policy-Free School</td>
<td>12</td>
</tr>
<tr>
<td>Campus Alcoholic Beverages Policy</td>
<td>12</td>
</tr>
<tr>
<td>Academic Behavior Standards.</td>
<td>13</td>
</tr>
<tr>
<td>Student Use of Technology</td>
<td>13</td>
</tr>
<tr>
<td>Undeclared Policy</td>
<td>13</td>
</tr>
<tr>
<td>Student Responsibility for University Communication</td>
<td>13</td>
</tr>
<tr>
<td>Complaint Policy</td>
<td>13</td>
</tr>
<tr>
<td>Accreditation</td>
<td>13</td>
</tr>
<tr>
<td>University of Central Florida/Campuses</td>
<td>15</td>
</tr>
<tr>
<td>The University</td>
<td>15</td>
</tr>
<tr>
<td>Center for Distributed Learning</td>
<td>15</td>
</tr>
<tr>
<td>Regional Campuses</td>
<td>15</td>
</tr>
<tr>
<td>Central Florida Research Park</td>
<td>20</td>
</tr>
<tr>
<td>Endowed Chairs</td>
<td>20</td>
</tr>
<tr>
<td>University Ombuds Office</td>
<td>21</td>
</tr>
<tr>
<td>UCF Public Safety and Police</td>
<td>21</td>
</tr>
<tr>
<td>Intercollegiate Athletics</td>
<td>22</td>
</tr>
<tr>
<td>Graduation Rate Disclosure</td>
<td>24</td>
</tr>
<tr>
<td>OFS, UCF, The John and Knights Place</td>
<td>24</td>
</tr>
<tr>
<td>Campus Bookstores</td>
<td>24</td>
</tr>
<tr>
<td>Parking and Transportation Services</td>
<td>24</td>
</tr>
<tr>
<td>Orlando Shakespeare Theater in Partnership with UCF</td>
<td>24</td>
</tr>
<tr>
<td>UCF Alumni Association</td>
<td>25</td>
</tr>
<tr>
<td>UCF Foundation</td>
<td>25</td>
</tr>
<tr>
<td>Special Academic Programs and Research Institutes</td>
<td>26</td>
</tr>
<tr>
<td>International Affairs and Global Strategies</td>
<td>26</td>
</tr>
<tr>
<td>UCF Abroad</td>
<td>26</td>
</tr>
<tr>
<td>English Language Institute</td>
<td>26</td>
</tr>
<tr>
<td>Experimental Learning Office/Undergraduate Studies</td>
<td>26</td>
</tr>
<tr>
<td>National Consortium for Academics and Sports</td>
<td>27</td>
</tr>
<tr>
<td>Division of Continuing Education</td>
<td>27</td>
</tr>
<tr>
<td>Institutes and Centers for Research</td>
<td>28</td>
</tr>
<tr>
<td>Undergraduate Admissions</td>
<td>30</td>
</tr>
<tr>
<td>Campus Visit Experience</td>
<td>30</td>
</tr>
<tr>
<td>Admission for Undergraduates</td>
<td>30</td>
</tr>
<tr>
<td>Limited Access Programs</td>
<td>31</td>
</tr>
<tr>
<td>Orientation</td>
<td>31</td>
</tr>
<tr>
<td>Admission Categories</td>
<td>31</td>
</tr>
<tr>
<td>International Applicants</td>
<td>33</td>
</tr>
<tr>
<td>Non-Academic Admission Clearances</td>
<td>34</td>
</tr>
<tr>
<td>Transfer Credit: All Applicants</td>
<td>34</td>
</tr>
<tr>
<td>Baccalaureate Honors</td>
<td>34</td>
</tr>
<tr>
<td>Student Financial Assistance</td>
<td>35</td>
</tr>
<tr>
<td>Office of Student Financial Assistance</td>
<td>35</td>
</tr>
<tr>
<td>Student Rights and Responsibilities</td>
<td>35</td>
</tr>
<tr>
<td>Student Eligibility</td>
<td>35</td>
</tr>
<tr>
<td>Application Priority Date</td>
<td>35</td>
</tr>
<tr>
<td>Application Procedures</td>
<td>35</td>
</tr>
<tr>
<td>Specific Eligibility Requirements and Conditions</td>
<td>36</td>
</tr>
<tr>
<td>Program Eligibility Charts</td>
<td>36</td>
</tr>
<tr>
<td>Helpful Hints</td>
<td>36</td>
</tr>
<tr>
<td>School Costs</td>
<td>36</td>
</tr>
<tr>
<td>Financial Aid Programs Available at UCF</td>
<td>36</td>
</tr>
<tr>
<td>Award Notification</td>
<td>36</td>
</tr>
<tr>
<td>Deferrals of Tuition and Fees</td>
<td>36</td>
</tr>
<tr>
<td>Confirmation of Academic Engagement and Disbursements</td>
<td>37</td>
</tr>
<tr>
<td>Satisfactory Academic Progress (SAP)</td>
<td>37</td>
</tr>
<tr>
<td>Re-establishing Eligibility after Cancellation</td>
<td>37</td>
</tr>
<tr>
<td>Satisfactory Academic Progress Probability</td>
<td>37</td>
</tr>
<tr>
<td>Transfer Students</td>
<td>37</td>
</tr>
<tr>
<td>Independent Students</td>
<td>37</td>
</tr>
<tr>
<td>Transient Enrollment</td>
<td>38</td>
</tr>
<tr>
<td>Over Awards</td>
<td>38</td>
</tr>
<tr>
<td>Refunds and Return of Title IV Funds</td>
<td>38</td>
</tr>
<tr>
<td>Professional Judgment.</td>
<td>38</td>
</tr>
<tr>
<td>Repeated Coursework</td>
<td>38</td>
</tr>
<tr>
<td>Maximum Time Limitation on Direct Subsidized Loan Eligibility.</td>
<td>38</td>
</tr>
<tr>
<td>Excess Hours Surcharge</td>
<td>39</td>
</tr>
<tr>
<td>Student Tuition and Fees</td>
<td>39</td>
</tr>
<tr>
<td>Student Account Services</td>
<td>39</td>
</tr>
<tr>
<td>Schedule of Fees</td>
<td>39</td>
</tr>
<tr>
<td>Student Financial Responsibility Statement</td>
<td>39</td>
</tr>
<tr>
<td>Payment Procedures</td>
<td>39</td>
</tr>
<tr>
<td>Other Forms of Payment</td>
<td>39</td>
</tr>
<tr>
<td>Refund of Fees</td>
<td>40</td>
</tr>
<tr>
<td>Direct Deposit</td>
<td>40</td>
</tr>
<tr>
<td>Past Due Accounts</td>
<td>40</td>
</tr>
<tr>
<td>Late Fees</td>
<td>40</td>
</tr>
<tr>
<td>Florida Residency for Tuition Purposes</td>
<td>41</td>
</tr>
<tr>
<td>Residency Reclassification</td>
<td>41</td>
</tr>
<tr>
<td>Division of Student Development and Enrollment Services</td>
<td>50</td>
</tr>
<tr>
<td>Transfer and Transition Services</td>
<td>50</td>
</tr>
<tr>
<td>Academic Advising</td>
<td>50</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>52</td>
</tr>
<tr>
<td>Freshmen (First Time in College - FTIC)</td>
<td>52</td>
</tr>
<tr>
<td>The Burnett Honors College</td>
<td>52</td>
</tr>
<tr>
<td>College of Arts and Humanities</td>
<td>53</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>53</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>53</td>
</tr>
<tr>
<td>College of Engineering and Computer Science</td>
<td>54</td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td>54</td>
</tr>
<tr>
<td>College of Medicine</td>
<td>54</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>55</td>
</tr>
<tr>
<td>College of Optics and Photonics</td>
<td>55</td>
</tr>
<tr>
<td>College of Sciences</td>
<td>55</td>
</tr>
<tr>
<td>College of Undergraduate Studies</td>
<td>56</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>56</td>
</tr>
<tr>
<td>College of Law</td>
<td>56</td>
</tr>
<tr>
<td>Undergraduate Programs and Research Institutes</td>
<td>57</td>
</tr>
<tr>
<td>Academic Regulations and Procedures</td>
<td>57</td>
</tr>
<tr>
<td>Registration Policies</td>
<td>57</td>
</tr>
<tr>
<td>Terms and Credit Hours</td>
<td>57</td>
</tr>
<tr>
<td>Credit Hour Limits</td>
<td>57</td>
</tr>
<tr>
<td>Withdrawal Policy</td>
<td>58</td>
</tr>
<tr>
<td>Grade System</td>
<td>59</td>
</tr>
<tr>
<td>Incomplete Grade</td>
<td>60</td>
</tr>
<tr>
<td>Grade Change</td>
<td>60</td>
</tr>
<tr>
<td>Grade Reports</td>
<td>60</td>
</tr>
<tr>
<td>Unsatisfactory Work</td>
<td>60</td>
</tr>
<tr>
<td>Classroom Responsibility</td>
<td>60</td>
</tr>
<tr>
<td>Student Conduct</td>
<td>60</td>
</tr>
<tr>
<td>Religious Observances</td>
<td>60</td>
</tr>
<tr>
<td>Student Classifications</td>
<td>60</td>
</tr>
<tr>
<td>Academic Honors</td>
<td>61</td>
</tr>
<tr>
<td>Grade Forgiveness</td>
<td>61</td>
</tr>
<tr>
<td>Academic Standing</td>
<td>61</td>
</tr>
<tr>
<td>Earning Credit While Disqualified</td>
<td>62</td>
</tr>
<tr>
<td>Readmission</td>
<td>62</td>
</tr>
<tr>
<td>Academic Amnesty Program</td>
<td>63</td>
</tr>
<tr>
<td>Athletic Eligibility and Retention Committee</td>
<td>64</td>
</tr>
<tr>
<td>Name Changes</td>
<td>64</td>
</tr>
<tr>
<td>Address and Email Changes</td>
<td>64</td>
</tr>
<tr>
<td>Transcript Requests</td>
<td>64</td>
</tr>
<tr>
<td>Third Attempt Course Repeat Surcharges</td>
<td>65</td>
</tr>
<tr>
<td>Major, Minor, Undergraduate Certificate Policies</td>
<td>64</td>
</tr>
<tr>
<td>Student Records</td>
<td>65</td>
</tr>
<tr>
<td>Family Educational Rights and Privacy Act (FERPA)</td>
<td>65</td>
</tr>
<tr>
<td>Higher Education Act</td>
<td>65</td>
</tr>
<tr>
<td>Accelerated Education Opportunities</td>
<td>66</td>
</tr>
<tr>
<td>Undergraduate Degree Requirements</td>
<td>71</td>
</tr>
<tr>
<td>Requirements for Graduation</td>
<td>71</td>
</tr>
<tr>
<td>Choice of Catalog (Catalog Year) and Continuous Enrollment</td>
<td>71</td>
</tr>
<tr>
<td>General Education Program (GEP)</td>
<td>71</td>
</tr>
<tr>
<td>Diversity Requirement</td>
<td>72</td>
</tr>
<tr>
<td>Exit Exams</td>
<td>73</td>
</tr>
<tr>
<td>Foreign Language Proficiency Requirement</td>
<td>73</td>
</tr>
<tr>
<td>SUS Foreign Language Admission Requirement</td>
<td>74</td>
</tr>
<tr>
<td>The Gordon Rule</td>
<td>74</td>
</tr>
<tr>
<td>Summer Attendance Requirements</td>
<td>75</td>
</tr>
<tr>
<td>Admission to the Upper Division</td>
<td>75</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
# Table of Contents

<table>
<thead>
<tr>
<th>Academic Degrees, Majors, and Minors</th>
<th>77</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burnett School of Biomedical Sciences</td>
<td>See College of Medicine</td>
</tr>
<tr>
<td>The Burnett Honors College</td>
<td>79</td>
</tr>
<tr>
<td>College of Arts and Humanities</td>
<td>81</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>86</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>90</td>
</tr>
<tr>
<td>College of Engineering and Computer Science</td>
<td>94</td>
</tr>
<tr>
<td>Reserve Officer Training Corps</td>
<td>101</td>
</tr>
<tr>
<td>College of Health and Public Affairs</td>
<td>103</td>
</tr>
<tr>
<td>College of Medicine</td>
<td>106</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>108</td>
</tr>
<tr>
<td>College of Optics and Photonics</td>
<td>109</td>
</tr>
<tr>
<td>College of Sciences</td>
<td>111</td>
</tr>
<tr>
<td>College of Undergraduate Studies</td>
<td>115</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>117</td>
</tr>
<tr>
<td>UCF Degree Programs</td>
<td>118</td>
</tr>
<tr>
<td>Accounting</td>
<td>119</td>
</tr>
<tr>
<td>Advertising-Public Relations</td>
<td>121</td>
</tr>
<tr>
<td>Aerospace Engineering</td>
<td>123</td>
</tr>
<tr>
<td>Anthropology</td>
<td>125</td>
</tr>
<tr>
<td>Architecture</td>
<td>128</td>
</tr>
<tr>
<td>Art - Emerging Media Track</td>
<td>129</td>
</tr>
<tr>
<td>Art - History Track</td>
<td>132</td>
</tr>
<tr>
<td>Art - Studio Art Track</td>
<td>134</td>
</tr>
<tr>
<td>Art - Studio Track</td>
<td>136</td>
</tr>
<tr>
<td>Art - Visual Arts and Emerging Media Management Track</td>
<td>137</td>
</tr>
<tr>
<td>Art Education</td>
<td>139</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>142</td>
</tr>
<tr>
<td>Biology</td>
<td>145</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>149</td>
</tr>
<tr>
<td>Biomedical Sciences - Preprofessional Concentration</td>
<td>152</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>154</td>
</tr>
<tr>
<td>Chemistry</td>
<td>156</td>
</tr>
<tr>
<td>Chemistry - Biochemistry Track</td>
<td>158</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>160</td>
</tr>
<tr>
<td>Communication &amp; Conflict</td>
<td>163</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>164</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>166</td>
</tr>
<tr>
<td>Computer Science</td>
<td>169</td>
</tr>
<tr>
<td>Construction Engineering</td>
<td>170</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>172</td>
</tr>
<tr>
<td>Criminal Justice Scholar’s Track</td>
<td>173</td>
</tr>
<tr>
<td>Digital Media</td>
<td>175</td>
</tr>
<tr>
<td>Early Childhood Development and Education</td>
<td>177</td>
</tr>
<tr>
<td>Track 1: Education: Pre-Kindergarten - Primary (PK-3)</td>
<td>177</td>
</tr>
<tr>
<td>Track 2: Early Childhood Development</td>
<td>180</td>
</tr>
<tr>
<td>Track 3: Early Childhood Careers</td>
<td>183</td>
</tr>
<tr>
<td>Economics</td>
<td>184</td>
</tr>
<tr>
<td>Economics, Business</td>
<td>185</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>187</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>189</td>
</tr>
<tr>
<td>English - Creative Writing</td>
<td>192</td>
</tr>
<tr>
<td>English - Literature</td>
<td>194</td>
</tr>
<tr>
<td>English - Technical Communication</td>
<td>196</td>
</tr>
<tr>
<td>English Language Arts Education</td>
<td>198</td>
</tr>
<tr>
<td>Environmental Management</td>
<td>201</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>203</td>
</tr>
<tr>
<td>Event Management</td>
<td>205</td>
</tr>
<tr>
<td>Film</td>
<td>206</td>
</tr>
<tr>
<td>Film - Cinema Studies Track</td>
<td>208</td>
</tr>
<tr>
<td>Forensic Science</td>
<td>209</td>
</tr>
<tr>
<td>Forensic Science - Analysis Track</td>
<td>212</td>
</tr>
<tr>
<td>Forensic Science - Biochemistry Track</td>
<td>214</td>
</tr>
<tr>
<td>French</td>
<td>216</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>218</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>219</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>221</td>
</tr>
<tr>
<td>History</td>
<td>223</td>
</tr>
<tr>
<td>Hospitality Management</td>
<td>225</td>
</tr>
<tr>
<td>Human Communication</td>
<td>227</td>
</tr>
<tr>
<td>Humanities and Cultural Studies</td>
<td>229</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>230</td>
</tr>
<tr>
<td>Information Technology</td>
<td>232</td>
</tr>
<tr>
<td>Integrated Business</td>
<td>234</td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>236</td>
</tr>
<tr>
<td>Interdisciplinary Studies - Environmental Studies Track</td>
<td>237</td>
</tr>
<tr>
<td>International and Global Studies</td>
<td>238</td>
</tr>
<tr>
<td>Journalism</td>
<td>241</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>243</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>245</td>
</tr>
<tr>
<td>Management</td>
<td>247</td>
</tr>
<tr>
<td>Marketing</td>
<td>249</td>
</tr>
<tr>
<td>Mathematics</td>
<td>251</td>
</tr>
<tr>
<td>Mathematics Education</td>
<td>254</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>257</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>259</td>
</tr>
<tr>
<td>Music</td>
<td>261</td>
</tr>
<tr>
<td>Music - Jazz Studies Track</td>
<td>263</td>
</tr>
<tr>
<td>Music - Music Composition Track</td>
<td>265</td>
</tr>
<tr>
<td>Music - Music Performance Track</td>
<td>267</td>
</tr>
<tr>
<td>Music Education</td>
<td>271</td>
</tr>
<tr>
<td>Nursing</td>
<td>276</td>
</tr>
<tr>
<td>Nursing - Concurrent A.S.N. to B.S.N. enrollment option</td>
<td>278</td>
</tr>
<tr>
<td>Nursing - R.N. to B.S.N. Program</td>
<td>280</td>
</tr>
<tr>
<td>Philosophy</td>
<td>281</td>
</tr>
<tr>
<td>Photography</td>
<td>283</td>
</tr>
<tr>
<td>Photonic Science and Engineering</td>
<td>285</td>
</tr>
<tr>
<td>Physics (B.S.)</td>
<td>287</td>
</tr>
<tr>
<td>Physics (B.A.)</td>
<td>289</td>
</tr>
<tr>
<td>Political Science</td>
<td>292</td>
</tr>
<tr>
<td>Political Science - Prelaw Track</td>
<td>295</td>
</tr>
<tr>
<td>Psychology</td>
<td>298</td>
</tr>
<tr>
<td>Public Administration</td>
<td>300</td>
</tr>
<tr>
<td>Radio - Television</td>
<td>302</td>
</tr>
<tr>
<td>Real Estate</td>
<td>305</td>
</tr>
<tr>
<td>Religion and Cultural Studies</td>
<td>307</td>
</tr>
<tr>
<td>Restaurant and Foodservice Management</td>
<td>309</td>
</tr>
<tr>
<td>Science Education - Biology</td>
<td>310</td>
</tr>
<tr>
<td>Science Education - Chemistry</td>
<td>313</td>
</tr>
<tr>
<td>Science Education - Physics</td>
<td>316</td>
</tr>
<tr>
<td>Social Education</td>
<td>319</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>322</td>
</tr>
<tr>
<td>Social Work</td>
<td>324</td>
</tr>
<tr>
<td>Sociology</td>
<td>326</td>
</tr>
<tr>
<td>Spanish</td>
<td>327</td>
</tr>
<tr>
<td>Sport and Exercise Science</td>
<td>329</td>
</tr>
<tr>
<td>Statistics</td>
<td>332</td>
</tr>
<tr>
<td>Technical Education and Industry Training</td>
<td>334</td>
</tr>
<tr>
<td>Theatre - Acting Track</td>
<td>335</td>
</tr>
<tr>
<td>Theatre - Design and Technology Track</td>
<td>338</td>
</tr>
<tr>
<td>Theatre - Musical Theatre Track</td>
<td>340</td>
</tr>
<tr>
<td>Theatre - Stage Management Track</td>
<td>342</td>
</tr>
<tr>
<td>Theatre Studies</td>
<td>345</td>
</tr>
<tr>
<td>World Languages Education - Spanish</td>
<td>347</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>350</td>
</tr>
</tbody>
</table>

## Minors

| Accounting | 354 |
| Actuarial Science | 354 |
| Aerospace Studies | 354 |
| Africana Studies | 355 |
| Aging Studies | 355 |
| American Studies | 356 |
| Anthropology | 357 |
| Anthropology in Multicultural Studies | 358 |
| Art - Studio | 358 |
| Art Education | 359 |
| Art History | 359 |
| Asian Studies | 359 |
| Astronomy | 360 |
| Bioengineering | 360 |
| Biomedical Sciences | 361 |
| Business | 361 |
| Chemistry | 362 |
| Coaching | 362 |
| Cognitive Sciences | 363 |
| Communication Sciences and Disorders | 363 |
| Community Arts - PAVE | 364 |
| Community Sport and Fitness | 364 |
| Computer Science | 364 |
| Crime, Law, and Deviance | 365 |
| Criminal Justice | 365 |
| Dance | 365 |
Digital Humanities ........................................ 366
Digital Media ............................................. 366
Diplomacy ..................................................... 367
Diversity and Social Inequality ......................... 367
Early Childhood Development and Education ........ 368
Economics ..................................................... 368
Education ..................................................... 369
Emergency Management and Homeland Security .... 369
Engineering Leadership .................................. 369
English - Creative Writing ................................ 370
English - Linguistics ....................................... 370
English - Literature ....................................... 371
English - Technical Communication .................... 371
Entrepreneurial Communication ........................ 371
Entrepreneurship ........................................... 372
Environmental Studies ................................... 372
European Studies .......................................... 373
Exceptional Student Education .......................... 374
Film - Cinema Studies ..................................... 375
Finance ......................................................... 375
Fitness Training ............................................ 376
Florida Studies ........................................... 376
French ......................................................... 376
Global Peace and Security Studies ....................... 377
Health Informatics and Information Management .... 377
Health Sciences ............................................ 378
Health Services Administration .......................... 378
History ........................................................ 378
Hospitality Management ................................ 379
Human Communication .................................... 379
Human Services .............................................. 379
Humanities and Cultural Studies ......................... 380
Information Technology .................................... 380
Intelligence and National Security ....................... 381
Intelligent Robotic Systems (IRS) - Interdisciplinary 381
International and Global Studies .......................... 382
International Business .................................... 382
International Engineering ................................ 383
Italian .......................................................... 384
Journalism Studies ........................................ 384
Judicial Studies ............................................. 384
Latin American Area Studies ............................. 385
Leadership Studies .................................... 386
Legal Studies ............................................... 386
Magazine Journalism ...................................... 387
Marketing ...................................................... 387
Mass Communication ..................................... 387
Mass Culture and Collective Behavior .................... 388
Materials Science and Engineering ....................... 388
Mathematical Social Science .............................. 389
Mathematics .................................................. 389
Mathematics Education .................................... 390
Medical Anthropology ..................................... 390
Medical Sociology .......................................... 390
Medical and Renaissance Studies ........................ 391
Middle Eastern Studies ................................... 391
Military Science .......................................... 392
Music .......................................................... 392
Nanoscale Science and Technology ..................... 392
Nonprofit Management/Financial Management ...... 392
National Certification in Nonprofit Management .... 393
North American Indian Studies .......................... 394
Performing Arts Administration ........................ 394
Philosophy ..................................................... 395
Physics ........................................................ 395
Political Science ............................................. 396
Political Science/Preflaw .................................. 396
Pre-Law in the Humanities .............................. 396
Professional Selling ....................................... 397
Psychology ...................................................... 397
Public Administration ....................................... 398
Real Estate ................................................... 398
Religious Studies ........................................... 399
Russian Studies ............................................. 399
Science Education .......................................... 400
Secure Computing and Networks ........................ 400
Social Science Education ................................ 400
Sociology ....................................................... 401
Spanish ........................................................ 401
Sport Business Management .............................. 401
Statistics ....................................................... 402
Technical Education and Industry Training ............ 402
Technological Entrepreneurship ......................... 402
 Terrorism Studies ........................................... 403
Theatre ......................................................... 403
Urban and Regional Planning ............................ 404
Women’s and Gender Studies ............................. 405
World Comparative Studies ................................ 405
World Languages and Cultures .......................... 406
- English for Speakers of Other Languages .......... 406
World Languages Education ............................. 407
Languages Other Than English ........................... 407
Writing and Rhetoric ....................................... 407
Certificates .................................................... 409
Aging Studies ................................................. 409
Anthropology of Global Health .......................... 409
Behavioral Forensics ..................................... 410
Children’s Services ........................................ 410
Civics Teaching ............................................. 411
Crime Analysis and Crime Mapping ..................... 411
Crime Scene Investigation .................................. 412
 Criminal Profiling ........................................ 412
Cultural Tourism ........................................... 412
Data Operations ........................................... 413
Diplomacy ..................................................... 413
Engineering Leadership ..................................... 414
Entrepreneurship ........................................... 414
Finance: Banking .......................................... 415
Finance: Corporate Finance .............................. 415
Finance: Investments ....................................... 415
Gender Studies ............................................. 416
Health Communication .................................... 416
Health Information Technology ......................... 416
Intelligence and National Security ........................ 417
Judaic Studies ................................................. 418
Language Development and Disorders .................. 418
Leadership Studies ....................................... 419
Native American Studies ................................ 419
Nonprofit Management .................................... 420
Public and Professional Writing .......................... 420
Security Management ....................................... 420
Service-Learning ........................................... 421
Spanish for Health Professionals ........................ 421
Spanish for the Legal World .............................. 421
Substitute Teaching ......................................... 421
Teaching English as a Foreign Language ............... 422
Translation and Interpretation ............................. 422
Victim Advocacy ............................................ 423
Accelerated Undergraduate-Graduate Programs ....... 424
Aerospace Engineering (B.S.A.E. / M.S.A.E. or M.S.M.E.) 424
Communication Sciences and Disorders (B.A. or B.S. / M.A.) 425
Computer Engineering (B.S.P.E. / M.S.P.E.) ........... 426
Computer Science (B.S. / M.S.) .......................... 427
Electrical Engineering (B.S.E.E. / M.S.E.E.) ............ 428
History (B.A. / M.A.) ....................................... 430
Industrial Engineering (B.S.I.E. / M.S.I.E.) ............. 431
Mechanical Engineering (B.S./M.S.ME, M.S.ME. or M.S.AE.) 432
Nursing Second Degree B.S.N. Option (B.S.N.) .......... 433
Nursing R.N. to M.S.N. Option (B.S.N. / M.S.N.) ........ 435
UCF Legal Studies/Barr law/Touro Law Legal Studies (B.A. / B.S. to J.D.) 437
Articulated A.S. Programs ................................ 439
Applied Science .............................................. 439
Criminal Justice ............................................ 441
Hospitality Management ................................... 441
Nursing A.S. to B.S.N. Track .............................. 443
Common Course Numbering System .................... 445
UCF Courses and Descriptions ........................... 450
University Faculty ......................................... 548
Administrative Officers and Staff .......................... 568
Honorary Degrees Awarded .............................. 570
Building Abbreviations .................................... 571
UCF Glossary ................................................. 573
Index .......................................................... 568
Florida Board of Governors
Chair .............................................. Thomas G. Kunz
Vice Chair ...................................... Ned C. Lautenbach
Board Member ................................. Morteza “Mori” Hosseini
Board Member ................................. Richard A. Beard III
Board Member ................................. Matthew M. Carter II
Board Member ................................ Dean Colson
Board Member ................................. Daniel Doyle, Jr.
Board Member ................................. Patricia Frost
Board Member (Student Representative) ................................................................
Board Member ................................. H. Wayne Huizenga, Jr.
Board Member ................................. Alan Levine
Board Member ................................ Wendy Link
Board Member ................................ Edward Morton
Board Member ................................. Katherine M. Robinson
Board Member (Education Commissioner) ......................................................... Pam Stewart
Board Member ................................ Norman D. Trigg

University of Central Florida Board of Trustees
Chair .................................................... Marcos R. Marchena
Vice Chair .......................................... Robert A. Garvy
Trustee ................................................. Clarence Brown III
Trustee .................................................. Joseph Conte
Trustee .................................................. Ray Gilley
Trustee .................................................. Alex Graff
Trustee ............................................... Beverly Seay
Trustee ............................................... John Sproul
Trustee .................................................. David Walsh
Trustee ................................................. William A. Wein
Faculty Senate Trustee ......................... Keith Koons
Student Trustee .................................. Carl Zona
President .......................................... John Hitt
Secretary .......................................... Rick Schell

Principal Officers
President ............................................. John C. Hitt
Pro Vice President, Academic Affairs ............ A. Dale Whitaker
Vice President and General Counsel ............. W. Scott Cole
Vice President Emerita, Community Relations .... Helen Donegan
Vice President, Student Development .......... Maribeth Ehasz
Vice President, Enrollment Services .............. Maribeth Ehasz
Vice President, Medical Affairs, and Dean, College of Medicine .......... Deborah C. German
Vice President, Alumni Relations and Development and Chief Executive Officer of UCF Foundation .. Michael J. Morsberger
Vice President, University Relations .......... Daniel C. Holsenbeck
Vice President, Administration and Finance, and Chief Financial Officer .......... William F. Merck II
Vice President and Chief of Staff ................. John Schell
Vice President, Research and Commercialization ................. M. J. Soleau
Vice President and Director of Athletics .......... Danny White

Administration
Office of the President
President of the University ....................... John C. Hitt
Vice President and Chief of Staff ................ John Schell
Special Assistant to the President and Vice President Emerita .... Beth Barnes
Assistant Chief of Staff and Assistant Vice President .......... Nancy Marshall
Sr. Administrative Assistant to the President .......... Sandra M. Chesepow
Executive Director, University Audit ............ Robert Taft
Chief Diversity Officer .......................... Karen Morrison
Director, Global Perspectives and Special Assistant to the President ................... John Bersia
Director, Equal Opportunity and Affirmative Action Programs .......... Maria Beckman
University Ombuds Officer ........................ Shreya Trivedi
Chief Compliance and Ethics Officer ............. Rhonda Bishop
Communications Specialist ......................... Joe Adams

Office of the Provost and Vice President for Academic Affairs
Executive Vice Provost, Academic Affairs .......... A. Dale Whitaker
Vice Provost and Chief Information Officer  .......... Joel L. Hartman
Vice Provost for Academic Program Quality .......... TBA
Vice Provost and Chair, Teaching and Learning and Undergraduate Studies ............ Elizabeth A. Dooley
Vice Provost for International Affairs and Global Strategies ................. Cynthia Young
Vice Provost for Faculty Excellence ................. Cynthia Young
Associate Provost and Associate Vice President for Budget, Planning and Administration ........ Tracy Clark
Associate Provost and Director of Operations .......... Ronnie Korosec
Senior Director of Internal Communications ........ Christine Dellar
Assistant Director for Administrative Services .......... Dani M. Suarez

Office of the Vice President for Community Relations
Vice President Emerita, Division of Community Relations .......... Helen Donegan
Associate Vice President, Community Relations .......... Diane Trees
Associate Vice President and Director, Community Relations .......... Maritza Martinez
Assistant Vice President, Constituent Relations .......... Glenna Oro
Assistant Vice President, Constituent Relations .......... Ana Petkova
Director, Diplomacy Program .......................... Ambassador Harriet Elam-Thomas
Director, Global Perspectives Office .................. Joseph Berardi
Special Assistant to the President for Global Perspectives .......... John Bersia

Office of the Vice President for Student Development and Enrollment Services
Vice President, Student Development and Enrollment Services ........ Maribeth Ehasz
Senior Associate Vice President and Dean of Students, SDES .................. Anthony L. Jenkins
Associate Vice President, SDES .......................... Sharon L. Ekern
Associate Vice President, SDES .......................... DeLaine Priest
Associate Vice President, SDES .......................... Jerry Welch
Associate Vice President, Enrollment Services .......... Gordon D. Chavis, Jr.
Assistant Vice President, Advising and Career Services .......... Chanda Torres
Assistant Vice President, Budgets and Administration ................. Richard Payne
Assistant Vice President, Community Support .......... Belinda Boston
Assistant Vice President, Learning Support Services .......... Becki Fronk
Assistant Vice President, Personnel and Technology .......... David Pavlovich
Assistant Vice President, Student Neighborhood Relations .......... A. J. Range
University Registrar and Executive Director, Registrar’s Office .......... Brian Boyd
Executive Director, Career Services .......................... Lynn Hanson
Executive Director, Housing and Residence Life .......... Christy Haldeman
Executive Director, Recreation and Wellness .......... James Wilkening
Executive Director, Student Accessibility Services .......... Adam Meyer
Executive Director, Student Health Services .......... Michael Deitchen

University of Central Florida Foundation
Vice President, Alumni Relations and Development .......... Michael J. Morsberger
Associate Vice President, Advancement for Principal Gifts .......... Bill Dean
Associate Vice President, Advancement for Colleges and Units .......... Jeff Coates
Senior Associate Vice President, Central Advancement .......... Karen Cochran
Associate Vice President, Advancement for Communications .......... Ben McMahen
Associate Vice President, Advancement for Donor Relations .......... Anne Botteri
Associate Vice President, Alumni Relations and Strategic Engagement .......... Ben McMahen
Executive Director, UCF Alumni Association .......... Julie Stroh
Associate Vice President, Accounting and Financial Management Services and Chief Financial Officer .......... Bert Francis
Executive Director, University Economic Development .......... Edward L. Schaeffer

Office of the Vice President for University Relations
Senior Vice President for University Relations .......... Daniel C. Holsenbeck
Senior Associate Vice President for University Relations .......... Fred R. Kitinger, Jr.
Assistant Vice President and Director, Interim Director, University Relations .......... Gregory A. Schuckman
Federal Relations .................................. A. Dale Whitaker
Associate Vice President, Community Relations .......... Nancy Marshall
Chief of Staff ..................................... John Schell
Director, Community Relations .................................. David Norvell, Jr.
Interim Executive Director, University Relations .......... John Pittman
Associate Provost for Budgets, Planning, and Administration .......... A. Dale Whitaker
Assistant Vice President, Chief of Police .......... Richard Beary
Assistant Vice President, Budgets and Administration .......... John Pittman
Assistant Vice President, Human Resources .......... Lee Kernek
Assistant Vice President, Human Resources, and Chief HR Officer .......... Sheila Daniels
Associate Vice President, Human Resources .......... Curt Sawyer
Vice President, Career Development .......... John Pittman
Assistant Vice President, Student Development and Enrollment Services .......... John Pittman
Director, Business Services .................................. TBA
Director, Emergency Management .......... Jeffery Morgan
Interim Director, Environmental Health and Safety .......... Renea Carver
Director, Faculty Operations .................................. Duane Simpson
Director, Facilities Planning and Construction .......... Bill Martin
Director, Landscape and Natural Resources .......... Patrick Boisneau
Director, Parking and Transportation Services .......... Kris Singh
Director, Purchasing .................................. Gregory Robinson
Director, Resource Management .......... Monette Watson
Director, Utilities and Energy Management .......... Curtis Wade
## Office of the Vice President for Research & Commercialization
- **Vice President, Research & Commercialization**: M.J. Sollee
- **Associate Vice President, Research & Commercialization**: Tom O’Neal
- **Assistant Vice President, Research & Commercialization**: Debra Reinhardt
- **Assistant Vice President, Research & Commercialization**: Pallavoor N. Vaidyanathan

**Director, Marketing and Communications**: Barbara Abney

## Office of the Vice Provost and Dean of Graduate Studies
- **Interim Vice Provost and Dean, Graduate Studies**: Mubarak Shah
- **Associate Dean, Financial Support**: Jane Joiner
- **Assistant Dean, Interdisciplinary Programs**: John Weishampel
- **Assistant Vice President, UCF Sanford/Lake Mary**: David J. Meador
- **Assistant Vice President, UCF Daytona**: Linda Bradley-Thacker
- **Regional Director, UCF Cocoa and Palm Bay**: Lauren Miller

## Office of the Vice Provost for Regional Campuses Administration
- **Regional Director, UCF Orlando**: J. Jeffrey Jones
- **Assistant Vice Provost, Regional Campuses**: Pam Cavanaugh
- **Director, Advising**: Rex Roberts
- **Director of Communications**: Barbara Smith
- **Director, Excel Program**: Melissa Dagley
- **Executive Director, Faculty Center for Teaching and Learning**: Melody Bowden
- **Interim Director, Office of Experiential Learning and Engagement**: Ulla Isaacson
- **Interim Director, Office of Interdisciplinary Studies**: Claudia Schippert
- **Director, Office of Pre-Health and Pre-Law Advising**: Erin Myszkowski
- **Director, College of Undergraduate Research**: Kimberly Schneider
- **Director, The Quality Enhancement Plan Office**: Anna Maria Jones

## Colleges, Schools, and Departments

### Burnett Honors College
- **Dean**: Alvin Wang
- **Associate Dean**: Martin Dupuis
- **Director, Advising**: Rex Roberts
- **Director, Budget and Personnel**: Lesanne Brunswick
- **Director, Experiential Learning Center**: Morgan Bauer
- **Director, Research and Civic Engagement**: Vanessa McRae
- **Director, Student Services**: Madi Dogaru

### College of Arts and Humanities
- **Dean**: TBA
- **Executive Associate Dean**: Lyman Brodie
- **Associate Dean**: Lynn Hepner
- **Assistant Dean**: Rudy McDaniel
- **Assistant Dean**: Nancy Stanlick
- **Assistant Dean**: Cathy Radzai
- **Director, CAH Student Advising (CAHSA)**: Delia Garcia
- **Director, School of Performing Arts**: Jeffrey Moore
- **Director, School of Visual Arts and Design**: Byron Clercx
- **Chair, English**: Trex Philpotts
- **Chair, History**: TBA
- **Chair, Internship and Experiential Learning**: Graham Leavens
- **Chair, Philosophy**: Michael Strawser
- **Interim Chair, Writing and Rhetoric**: Stephanie Vie

### College of Business Administration
- **Dean**: TBA
- **Associate Dean**: Paul Jarley
- **Associate Dean**: Roard Jones
- **Assistant Dean**: E. Taylor Ellis
- **Assistant Dean**: Darrell Johnson
- **Director, MBA**: Robert Porter
- **Director, Sport Business Management**: Richard Lapichick
- **Director, Kenneth G. Dixon School of Accounting**: Greg Trompeter
- **Interim Chair and Director, Finance and Dr. P. Phillips School of Real Estate**: Aaji Singh
- **Chair, Economics**: Mark Dickie
- **Chair, Management**: Steven Goodman
- **Chair, Marketing**: Ronald E. Michaels

### College of Education and Human Performance
- **Dean**: Pamela S. Carroll
- **Interim Associate Dean, Graduate Affairs**: Rose Taylor
- **Associate Dean, Administrative and Financial Affairs**: Allison Jefferson
- **Interim Executive Director, Research**: J. Thomas Owens
- **Chair, Child, Family, and Community Sciences**: Glenn Lambie
- **Chair, Educational and Human Sciences**: John Homan
- **Director, School of Teaching, Learning and Leadership**: Michael Hynes
- **Director, Undergraduate Affairs**: Andrea Small

### College of Engineering and Computer Science
- **Dean**: Michael Georgiopoulos
- **Associate Dean, Academic Affairs**: Charles Reilly
- **Associate Dean, Research and Administration**: Ranganathan Kumar
- **Director, Undergraduate Student Services**: Kim A. Small
- **Director, Diversity and Inclusion**: Ola Nnadi
- **Chair, Civil, Environmental, and Construction Engineering**: Mohamed Abdel-Aty
- **Chair, Computer Science**: Gary T. Leavens
- **Chair, Electrical and Computer Engineering**: Zhizhu Qu

### College of Health and Public Affairs
- **Dean**: Michael L. Frumin
- **Associate Dean, Academic Affairs and Technology**: Ross Wolf
- **Associate Dean, Administration and Faculty Affairs**: Dawn Oetzten
- **Chair, Communication Sciences and Disorders**: John E. Hoffman
- **Chair, Communication Sciences and Disorders**: Richard Zraick
- **Chair, Criminal Justice**: Catherine Kaukinen
- **Chair, Health Management and Informatics**: Reid Oetjen
- **Chair, Health Professions**: Kristen Schnellke
- **Chair, Legal Studies**: James Beckman

### College of Medicine
- **Dean**: Deborah C. German
- **Associate Dean, Clinical Affairs (Interim)**: Edward Ross
- **Associate Dean, Faculty and Academic Affairs**: Richard Peppier
- **Associate Dean, Research**: Sampath Parthasarathy
- **Chair, Biological Sciences**: Charles H. Strickland
- **Director, Burnett School of Biomedical Sciences**: Griffith Parks
- **Associate Director, Undergraduate Affairs (Burnett School)**: Roseanne White
- **Associate Director, Graduate Affairs (Burnett School)**: Suavek Mohanty
- **Chair, Medical Laboratory Sciences Program**: Dorothy Hillcock
- **Chair, Student Services and Advisement (OSSA)**: Amanda Colee
- **Chair, Clinical Sciences (Interim)**: Diane Davy
- **Chair, Internal Medicine**: Edward Ross
- **Chair, Medical Education**: Juan Cendan

### College of Nursing
- **Dean**: May Lou Sole
- **Associate Dean, Undergraduate Affairs**: Karen M. Covell
- **Associate Dean, Graduate Affairs**: Susan Chase
- **Associate Dean, Research**: Donna Neff

### College of Optical and Photonics
- **Dean and Director**: Bahsah Saleh
- **Associate Dean, Academic Affairs**: David J. Hagan

### College of Sciences
- **Dean**: Michael Johnson
- **Associate Dean**: Artin F. Chase
- **Associate Dean**: Teresa Dorman
- **Associate Dean**: Florian Jentsch
- **Director, Nicholson School of Communication**: TBA
- **Director, Undergraduate Services (Academic Services)**: Lee Anne Kirkpatrick
- **Director, Anthropology**: Toshia Dupras
- **Chair, Biology**: Graham Worthy
- **Interim Chair, Chemistry**: Cherie Yestrebsky
- **Chair, Mathematics**: Jeffrey Cassisi
- **Chair, Physics**: Elizabeth V. Knecht
- **Chair, Statistics**: Shunpu Zhang

### Rosen College of Hospitality Management
- **Dean**: Abraham Pizam
- **Associate Dean**: Rachel Groves
- **Associate Dean**: Youcheng Wang
### 2016 SUMMER ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Session A: May 18 - June 26 6 Weeks</th>
<th>Session B: June 29 - August 7 6 Weeks</th>
<th>Session C: May 18 - August 7 12 Weeks</th>
<th>Session D: May 18 - July 17 9 Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>Mar. 7 - Apr. 26</td>
<td>Mar. 7 - Apr. 26</td>
<td>Mar. 7 - Apr. 26</td>
<td>Mar. 7 - Apr. 26</td>
</tr>
<tr>
<td>Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 13</td>
<td>June 24</td>
<td>May 13</td>
<td>May 13</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>May 15</td>
<td>June 24</td>
<td>May 15</td>
<td>N/A</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>May 16</td>
<td>June 27</td>
<td>May 16</td>
<td>May 16</td>
</tr>
<tr>
<td>Faculty to Confirm Academic Activity in Each Class</td>
<td>May 16-20</td>
<td>June 27 - July 1</td>
<td>May 16-20</td>
<td>May 16-20</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>May 16-20</td>
<td>June 27 - July 1</td>
<td>May 16-20</td>
<td>May 16-20</td>
</tr>
<tr>
<td>Last Day for Full Refund</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 19</td>
<td>June 30</td>
<td>May 19</td>
<td>May 19</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 20</td>
<td>July 1</td>
<td>May 20</td>
<td>May 20</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>May 27</td>
<td>July 8</td>
<td>May 27</td>
<td>May 27</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 27</td>
<td>July 8</td>
<td>May 27</td>
<td>N/A</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 9</td>
<td>July 21</td>
<td>July 5</td>
<td>June 21</td>
</tr>
<tr>
<td>Withdrawal Deadline</td>
<td>June 9</td>
<td>July 21</td>
<td>July 5</td>
<td>June 21</td>
</tr>
<tr>
<td>Last Day to Reinstat Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 17</td>
<td>July 22</td>
<td>June 17</td>
<td>June 17</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 29</td>
<td>July 29</td>
<td>July 29</td>
<td>July 29</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>June 24</td>
<td>August 5</td>
<td>August 5</td>
<td>July 15</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Campus Housing Closes</td>
<td>June 25</td>
<td>August 5</td>
<td>August 5</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 29</td>
<td>August 10</td>
<td>August 10</td>
<td>July 20</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 1</td>
<td>August 12</td>
<td>August 12</td>
<td>July 22</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 6</td>
<td>August 6</td>
<td>August 6</td>
<td>August 6</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar [here](http://calendar.ucf.edu/) for information.

All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University.

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity and Inclusion at 407-823-6479.

1 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.

2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.

3 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F”.

### University Holidays and Special Events

- **Memorial Day Holiday** .......................................................... May 30, 2016
- **Independence Day Holiday (observed)** ..................................... July 4, 2016
### 2016 - 2017 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2016</th>
<th>Spring 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>September 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>November 1, 2016</td>
</tr>
<tr>
<td>Application Deadline for Graduate Programs Without Deadline</td>
<td>July 15</td>
<td>December 1, 2016</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 27 - August 12</td>
<td>Oct. 17 - Dec. 2, 2016</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 14 - August 21</td>
<td>Mar. 14, 2016 - Jan. 8</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree,</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>On-Campus Housing Opens</td>
<td>August 19</td>
<td>January 6</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 22</td>
<td>January 9</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 22-26</td>
<td>January 9-13</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>August 25</td>
<td>January 12</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 26</td>
<td>January 13</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>September 2</td>
<td>January 20</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 9</td>
<td>January 20</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 10-21</td>
<td>October 10-21, 2016</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Last Day to Reinstated Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 31</td>
<td>March 22</td>
</tr>
<tr>
<td>Veterans Affairs Deferral Payment Deadline</td>
<td>December 2</td>
<td>April 7</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 3</td>
<td>April 24</td>
</tr>
<tr>
<td>Study Day</td>
<td>December 5</td>
<td>April 25</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 6-12</td>
<td>April 26 - May 2</td>
</tr>
<tr>
<td>On-Campus Housing Closes (noon)</td>
<td>December 13</td>
<td>May 3</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 16</td>
<td>May 4</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 15</td>
<td>May 5</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 16-17</td>
<td>May 4-6</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 17</td>
<td>May 8</td>
</tr>
</tbody>
</table>

**NOTE:** Dates are subject to change. Consult the online Academic Calendar ([http://calendar.ucf.edu](http://calendar.ucf.edu)) for information.

All new undergraduate degree-seeking students are required to attend Orientation prior to registration. Information on Orientation is mailed to all students upon acceptance to the University.

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity and Inclusion at 407-823-6479.

1 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.
4 Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2016, Fall 2016 and Spring 2017 beginning February 29, 2016. Registration for these students will begin on or after March 14, 2016. All other eligible students will receive their registration times beginning October 10, 2016, and Spring registration for these students will begin on or after October 24, 2016.

### University Holidays and Special Events

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor Day Holiday</td>
<td>September 5, 2016</td>
</tr>
<tr>
<td>Homecoming Week (classes still held)</td>
<td>October 9-15, 2016</td>
</tr>
<tr>
<td>Homecoming Game - vs. Temple</td>
<td>October 15, 2016</td>
</tr>
<tr>
<td>Veterans Day Holiday (observed)</td>
<td>November 11, 2016</td>
</tr>
<tr>
<td>Thanksgiving Holidays</td>
<td>November 24-26, 2016</td>
</tr>
<tr>
<td>Martin Luther King Jr. Holiday</td>
<td>January 16, 2017</td>
</tr>
<tr>
<td>Spring Break (campus offices still open)</td>
<td>March 13-18, 2017</td>
</tr>
<tr>
<td>Founder’s Day Honors Convocation (classes still held)</td>
<td>April 5, 2017</td>
</tr>
</tbody>
</table>

---

**UNIVERSITY OF CENTRAL FLORIDA**

11 Undergraduate Catalog 2016-2017
Undergraduate Academic Policy Statement
The University of Central Florida may change any of the announce-
ments, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot be regarded as new and modified regulations. Statements in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

Students will be held accountable for the requirements, policies, and procedures described in the Undergraduate Advising Guide and the Undergraduate Catalog. Additional information or clarification of any policy or procedure may be obtained from the specified office.

Non-Discrimination Policy
(including sexual harassment)

The University of Central Florida values diversity in the campus community. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, gender identity, gender expression, or protected veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwelcom sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a term or condition of employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual;
3. Such conduct, due to its severity and pervasiveness, has the purpose or effect of substantially interfering with an individual's work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Most UCF faculty and staff members, including all professors, are required to report any information indicating that a student may have been subject to sexual harassment including sexual assault, dating or domestic violence, and sex-based stalking to a university Title IX coordinator so that the university may take appropriate action. CAPS staff and Victim Services staff are generally not required to report such information to the university. More information about resources and reporting options for sexual harassment and related penalties are at http://shield.ucf.edu.

All forms of discrimination on the above bases, including sexual harassment, are strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Penalties for engaging in discrimination may include expulsion or termination.

Drug-Free Workplace/Drug-Free Schools
Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in all UCF owned and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is required to work to report classroom or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state and federal law.

Campus Alcoholic Beverages Policy

The sale, service, distribution, possession and consumption of alcoholic beverages are to be sold through the concession and controlled property or as part of any of its activities. Students will be held accountable for the requirements, policies, and procedures described in the Undergraduate Advising Guide and the Undergraduate Catalog. Additional information or clarification of any policy or procedure may be obtained from the specified office.

Guidelines

The sale, service, and distribution of alcoholic beverages to persons under 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age.

Possession and consumption of alcoholic beverages in open or unsealed containers is prohibited except in designated areas or as approved with special events.

Individuals are responsible for their actions regardless of their mental or physical state as it may be affected by mind-altering chemicals such as alcohol and other drugs.

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

The sale of alcoholic beverages to individuals of legal age will be permitted in licensed areas by licensed on-campus distributors. The sale or service of alcoholic beverages to individuals of legal age will be permitted at other select campus locations for catered functions by properly authorized distributors.

The serving, distribution, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization. Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event where alcoholic beverages are present in non-licensed campus locations must be obtained from the Director of Student Leadership Programs.

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; date, beginning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/underage; contained area where alcohol consumption is permitted; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups

When an event is properly scheduled to take place in a location for which a campus concession holds a license, alcoholic beverages are to be sold through the concession and their license. Groups or organizations who seek to sell beer or wine along with a non-alcoholic choice at other locations on campus must obtain approval to secure a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained by the organization from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

Academic Behavior Standards
The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations, or grades. Disciplinary action may affect student enrollment status. Program action may affect the student’s status in a specific program of study. Academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed and defined in the Rules of Conduct in The Golden Rule Student Handbook.

Note: A student who has assisted another in any of the aforementioned breach of standards shall be considered equally culpable. In cases of cheating or plagiarism, the instructor may document the incident and choose to take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, disciplinary action may be taken through the Office of Student Rights and Responsibilities, which may result in punitive and education sanctions, as outlined in The Golden Rule Student Handbook. Students found in violation of Academic Misconduct will receive a Z designation that would be included with the earned grade on transcripts, designating that academic dishonesty occurred. Information regarding the Z designation, its application or removal from a transcript can be found in The Golden Rule Student Handbook.

Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, emailing correspondence to instructors or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided free Knights Email accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop. Laptop and PC recommended configurations can be found at http://cstore.ucf.edu/college.html.

Undeclared Policy
All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP, and IB). An administrative hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional Campuses) to have the hold released.

Student Responsibility for University Communication
UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The university sends all business-related and academic messages to a student’s Knights Email address to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights Email account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account can be resolved through the UCF Service Desk (servicedesk@ucf.edu or 407-823-5117).

Additionally, each student must have an up-to-date emergency email address and cell phone number by which they can be reached in case of an emergency on campus. This emergency contact information will be used only for emergency communication purposes. Also, both permanent and local mailing addresses must be on record, so that any physical documents that must be mailed can be delivered.

It is critical that students maintain and regularly check their Knights Email account for official announcements and notifications. Communications sent to the Knights Email address on record will be deemed adequate notice for all university communications, including issues related to academics, finances, registration, parking, and other matters. The University does not accept responsibility if official communication fails to reach a student who has not registered for, or maintained and checked their Knights Email account on a regular basis. Please ensure that this information is current and that any changes in contact information are made online through the myUCF portal at https://my.ucf.edu/.

Complaint Policy
The University of Central Florida supports the right of students to file grievances, lodge complaints, and make appeals in a safe environment free of fear, retaliation, or other adverse consequence. The University has a number of offices and committees that are responsible for implementing the institution’s established procedures for addressing written academic and non-academic student complaints.

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the resolution, he or she may file a written grievance or appeal in most cases. Specific procedures included are in specific sections of the Catalog and The Golden Rule.

Accreditation
The University of Central Florida, a member institution of Florida’s State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978.

The University of Central Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award degrees at the associate, baccalaureate, master’s, specialist, and doctoral levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Central Florida.

Please note the commission’s expectation that contact occur only if there is evidence to support significant non-compliance with a requirement or standard. For other information about UCF’s SACSCOC accreditation, please contact the university’s SACSCOC liaison in UCF’s Office of Academic Affairs.

<table>
<thead>
<tr>
<th>College/Discipline</th>
<th>Accrediting Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Humanities Music, Music Education</td>
<td>National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248</td>
</tr>
<tr>
<td>Business Administration (all disciplines)</td>
<td>The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-6730</td>
</tr>
<tr>
<td>Education and Human Performance (all programs leading to initial teacher certification)</td>
<td>State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 1140 19th Street, NW Suite 400, Washington, DC 20036-6610</td>
</tr>
<tr>
<td>Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering</td>
<td>Commission of Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184</td>
</tr>
<tr>
<td>Health and Public Affairs Athletic Training</td>
<td>Accredited by the Commission for Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184</td>
</tr>
</tbody>
</table>

The Golden Rule Student Handbook
### University Notices

<table>
<thead>
<tr>
<th>Program</th>
<th>Accreditation Body</th>
<th>Address/Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Informatics and Information Management</td>
<td>Commission on Accreditation for Health Informatics (CAHIIM)</td>
<td>233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>Association of University Programs in Health Administration (AUPHA)</td>
<td>2000 14th Street North, Suite 780, Arlington, VA 22201</td>
</tr>
<tr>
<td>Social Work</td>
<td>Council on Social Work Education (CSWE)</td>
<td>1701 Duke Street, Suite 200, Alexandria, VA 22314-3457</td>
</tr>
<tr>
<td>College of Medicine - Burnett School of Biomedical Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS),</td>
<td>5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sciences</td>
<td>Nursing</td>
<td>Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32399</td>
</tr>
<tr>
<td></td>
<td>College of Nursing Education (CCNE)</td>
<td>One Dupont Circle, NW Suite 530, Washington, DC 20036</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036</td>
</tr>
</tbody>
</table>

UCF is listed in *Transfer Credit Practices on Designated Educational Institutions* with the highest level of credit acceptability. This handbook is published by the American Association of Collegiate Registrars and Admission Officers and lists the acceptability of transfer credits based upon the reporting institutions in the states, commonwealths, territories, and selected international institutions.
The University
407-823-2000
http://www.ucf.edu

UCF Stands For Opportunity: The University of Central Florida is the nation’s second-largest university with more than 63,000 students and is located in one of the most dynamic communities in the country – the Orlando metroplex. UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless capability, with about 600 acres set aside for lakes, woods and an arboretum.

Offering 212 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering, computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which graduated its first M.D. students in Spring 2013, is the centerpiece of a medical city at Lake Nona bustling with future doctors learning about the latest advances in health care, patients receiving high-quality care, and scientists searching for cures for cancer and other diseases.

Students attend classes on UCF’s main campus in east Orlando and 15 satellite facilities located throughout Central Florida. Since President John C. Hitt’s arrival in 1992, enrollment has nearly tripled, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF attracts many of the nation’s best and brightest students. The fall freshman class for the 2015-6 academic year posted an average SAT score of 1261 and a high school weight- ing GPA of 4.0. A total of 277 National Merit Scholars enrolled in fall 2015. UCF continues to become more diverse each year, with 42.5 percent of students in fall 2015 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks Stadium and the 10,000-seat CFE Arena opened in 2007 on the north side of UCF’s campus. Anchored by CFE Arena, Knights Plaza also includes four student residence halls and various restaurants and retail shops that cater to students, employees and area residents.

UCF’s Recreation and Wellness Center features a three-story climbing wall, an indoor track and many fitness equipment. The Student Union offers computer labs, study lounges, ballrooms and meeting rooms, popular eating establishments and a small shopping mall. A state-of-the-art Health Center supports a full-service health clinic with on-site professionals, X-ray capabilities, pharmacy, dental clinic, medical laboratory and physical-therapy services.

The Career Services and Experiential Learning building features private interview rooms, including a boardroom-style suite where cameras can record students’ practice interviews.

At Technology Commons, students can test and purchase the latest computer products and produce podcasts and video presentations. A new Performing Arts Center provides music and theatre students with high-tech classrooms and rehearsal spaces, and eventually will host student and professional performances.

National University to Watch: For the past several years, U.S. News & World Report’s “America’s Best Colleges” guide has lauded UCF as a top national university to watch. A new listing this year by the publication placed UCF among the top 15 most innovative universities in the country. UCF has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine. The university also has been identified among the best colleges for veterans.

Center for Distributed Learning
Associate Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway,
Orlando, 32826; 407-823-4910
http://online.ucf.edu/

The Center’s mission is to provide support to students, faculty and staff in the development and planning of distributed learning courses and programs. The Center serves as the central agent for online learning at UCF, leading leadership policies, strategies, and practices. The Center also coordinates the university’s standards and accreditation changes resulting from web-based instruction.

Students can enroll in credit courses and selected degree and certifi cate programs delivered over the Internet through Online@UCF. The instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.

The degree programs listed at http://www.ucf.edu/online/majors/ may be completed via online course work, although not all elective options or program prerequisites may be offered online. Newly admitted stu dents choosing to complete a degree program exclusively via UCF online classes may enroll with a reduction in some campus-based fees.

Online courses are identified in the Class Schedule Search available at https://my.ucf.edu/. In the “Additional Search Criteria” section use the drop-down list next to “Mode of Instruction” to search for the val ues described below.

Online instruction modes are:

- WORLD WIDE WEB (W): These courses are conducted via web-based instruction and collaboration. Some courses may require minimal-pers onal attendance or proctored examinations.

- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which sub stitutes for some classroom meetings.

- VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.

- VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video. Classroom attendance is not required. Other required activi ties that substitute for video instruction may include any of the follow ing elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

Students who plan to enroll in any course with a web or streaming video component must have access to the Internet, a Web browser such as Internet Explorer or Chrome, basic web-browsing knowledge, ability to use email, and basic computing skills such as word processing.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://online.ucf.edu/learn-online/prospective/state-restrictions/. While residing in any of the states listed, students may not be permitted to enroll in or be admitted to a UCF online program.

UCF Regional Campuses
http://www.regionalcampuses.ucf.edu

The University of Central Florida offers an opportunity to complete a number of programs through UCF Regional Campuses. Strategically located within an 80-mile radius of the UCF Orlando campus, the Regional Campuses sites partner with six Florida state colleges, fostering seamless and convenient advancement from completion of an A.A. or A.S. degree to upper-level division work on a baccalaureate degree. Programs accessible include 19 bachelor’s programs, 8 minors and 1 master’s degree as well as online programs by each of the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional Campuses, such as admissions, registration, financial aid, advising, student clubs and organizations, disabilities service, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

UCF Regional Campuses provides a wide variety of instruction modes and schedules, including extensive web class availability and support for numerous fully online degree programs and academic minors. Admissions, registration, financial assistance, advising and student services professionals are located at the following campuses: UCF Cocoa and Palm Bay; UCF Daytona Beach; UCF Sanford/ Lake Mary; UCF South Lake and Leesburg; UCF Valencia West, and Osceola; and UCF Ocala. Regional Campus Distance Learners may take advantage of services through various communication technolo gies. Times and dates for all courses are listed online prior to registra tion each term, and all registration periods correspond to the overall UCF schedule.

The Central Florida Higher Education Consortium, known as DirectConnect to UCF, is a unique partnership between UCF and College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. This agreement provides entry for A.A. and A.S. graduates to UCF as an enhancement to the Florida state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF poli cies when A.A. or A.S. degrees are awarded. Regional Campuses DirectConnect Coordinators are available on each of the Higher Education Consortium partnership campuses.

UNIVERSITY OF CENTRAL FLORIDA/CAMPUS

Undergraduate Catalog 2016-2017
All locations provide students with an opportunity to enroll in selected courses (junior and senior level) contributing to undergraduate and graduate degrees in a variety of disciplines within the University. At UCF Regional Campuses, students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the website at http://www.regionalcampuses.ucf.edu.

**Administration**

**UCF Regional Campuses (RC) Administration**

12201 Research Parkway, Suite 101
Orlando, 32286; 407-823-4547

**Vice Provost, Regional Campuses**
J. Jeffrey Jones

**Office Manager**
Allison Bryant

**Associate Vice Provost, Regional Campuses**
Pam Cavanaugh

**Director, Academic Support Services**
Jennifer Sumner

**Director, Special Projects**
Sean Armstrong

**Director, Student Services & Advising**
Angela Jones

**Associate Director, Academic Initiatives**
Waheeda Illasarie

**Associate Director, Academic Initiatives**
Mary Lynn Bresette

**Assistant Director, Continuing Education**
Kallie Reyes

**Facilities Scheduler**
Denise Devin

**Director, RC Enrollment Services**
Deborah Bradford

**IT Business Applications Manager**
Martin Malpica

**Web Designer**
Tony Recascino

**Assistant Web Support**
Minesh Patel

**Graphics Designer**
Christina Grace

**Senior Art Specialist**
Mary Lou Wade

**Director, Library Services**
Cynthia Kisby

**Assistant Vice Provost, RC Business Affairs and Operations**
Kimberly Cole

**Executive Administrative Assistant**
Jeanette Holder

**Accountant**
Joe Schofield

**IT Supervisor**
 pls.

**College/Division IT Project & Testing Manager**
Calston Llewellyn

**Campuses**

**UCF Valencia West, UCF Valencia Osceola, UCF Valencia East**

**Assistant Vice Provost**
Kimberly Hardy

**Assistant Director, Osceola**
James Smith, Jr.

**Assistant Director, Enrollment Services, West**
Melissa Kors

**Coordinator, Enrollment Services, Osceola**
Jessica Matos

**Senior Admissions Specialist, East**
Priscilla Alejandro

**Assistant Director, Advising Services, West**
Lisa Cruz

**Coordinator, Academic Advisor, Osceola**
Robin Tinsley

**Coordinator, Academic Advisor, Osceola**
Angel Edgcombe

**Coordinator, Student Services, Osceola**
Lourdes Acevedo

**DirectConnect Coordinator, Osceola**
Kim Martinez

**DirectConnect Coordinator, East**
Christopher Quintero

**Administrative Assistant**
Jacqueline Diaz

**UCF Daytona**

**Assistant Vice President**
Linda Bradley-Thacker

**Associate Director, Student Services**
Raphel Robinson

**Coordinator, Enrollment Services**
Roslyn Santana

**Coordinator, Academic Advisor**
Tina Davis

**Coordinator, Academic Advisor**
Angela Edwards-Johnson

**Coordinator, Administrative Services**
Bonnie Marsh

**Direct Connect Coordinator**
Virginia LaRue

**Department IT Manager**
Joe Cassella

**UCF Sanford/Lake Mary, UCF Altamonte**

**Associate Vice President**
David Mealer

**Assistant Director, Enrollment Services**
Pamela Williams

**Coordinator, Student Services**
Ashley Squillante

**Coordinator, Academic Advisor**
Georgia Kent

**Coordinator, Academic Advisor**
Jackie West-Lee

**DirectConnect Coordinator**
Lisa Mejia

**Department IT Manager**
Russell Muller

**Administrative Assistant**
Valerie Brackman

**UCF Cocoa, UCF Palm Bay**

**Regional Director**
Lauren Miller

**Assistant Director, Student Services**
Sonya Curtis

**Assistant Director, Enrollment Services**
Nick Pantoni

**Coordinator, Enrollment Services**
Jessica Houts

**Coordinator, Academic Advisor**
Angel Edgcombe

**Coordinator, Academic Advisor, Palm Bay**
Patricia Terrill

**Coordinator, Academic Advisor**
Sheryl Schagen

**DirectConnect Coordinator**
Kim Poppert

**Department IT Manager**
Sue Sorenson

**Coordinator, Administrative Services**
Gerry Deveau

**Administrative Assistant**
Darlene Kraft

**UCF South Lake, UCF Ocala, UCF Leesburg**

**Regional Director**
Tanya Armstrong

**Director, Student Services**
Pamela Brady

**Assistant Director, Enrollment Services**
Christy Pasinis

**Coordinator, Enrollment Services**
Thomas Silarek

**Coordinator, Academic Advisor**
Bethany Larson

**Coordinator, Academic Support Services, Ocala**
Crystal Flynn

**DirectConnect Coordinator**
Colleen Scott

**DirectConnect Coordinator, Ocala**
Crystal Flynn

**Department IT Manager**
Mei Wong

**Administrative Assistant**
Lisa Dunn

**UCF Cocoa**

321-433-7821

(In partnership with Eastern Florida State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

**Applied Science (B.A.S.) College of Undergraduate Studies**

- Criminal Justice

**Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs**

**Elementary Education (B.S.) College of Education and Human Performance**
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
Nursing (B.S.N.) College of Nursing
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
History (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences

Undergraduate Minor
Communication Sciences and Disorders
Criminal Justice
Crime, Law, and Deviance
Human Communication
Psychology
Sociology

For online programs visit: http://www.ucf.edu/online/.

UCF Daytona Beach
386-506-4021
(In partnership with Daytona State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Criminal Justice
Criminal Justice (B.A., B.S.) College of Health and Public Affairs

Human Communication (B.A.) College of Sciences
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Nursing (B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
History (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Political Science (B.A.) College of Sciences
Sociology (B.A.) College of Sciences

Undergraduate Minor
Crime, Law, and Deviance
Criminal Justice
Psychology

For online programs visit: http://www.ucf.edu/online/.

UCF Leesburg
352-836-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

For online programs visit: http://www.ucf.edu/online/.
University of Central Florida/Campuses

UCF Ocala
352-854-2322, ext. 1824
(In partnership with College of Central Florida)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance (Cohort)
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
For online programs visit: http://www.ucf.edu/online/.

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Human Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies
Undergraduate Minors
Human Communication
Psychology
For online programs visit: http://www.ucf.edu/online/.

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
Elementary Education (A.S. to B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences
*Selected courses will require attendance at the UCF Orlando campus.
Undergraduate Minors
Legal Studies
Psychology
Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
For online programs visit: http://www.ucf.edu/online/.
UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Elementary Education (B.S.) College of Education and Human Performance
- Psychology (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

Undergraduate Minors
- Psychology

For online programs visit: http://www.ucf.edu/online/.

UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Criminal Justice
- Biomedical Sciences (B.S.) College of Medicine
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Undergraduate Studies
  Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Psychology (B.S.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Health Services Administration (B.S.) College of Health and Public Affairs
- Human Communication (B.A.) College of Sciences
- Public Administration (B.A.) College of Health and Public Affairs

Undergraduate Minors
- Legal Studies
- Psychology

For online programs visit: http://www.ucf.edu/online/.

UCF Valencia West
407-582-5500
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Criminal Justice
- Architecture (B.S.) College of Arts and Humanities
- Criminal Justice (B.A., B.S.) College of Health and Public Affairs
- Electrical Engineering (3rd year) (B.S.E.E.) College of Engineering and Computer Science
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Nursing (Concurrent) College of Nursing
- Political Science (B.A.) College of Sciences
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S.) College of Sciences
- Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Human Communication (B.A.) College of Sciences

Undergraduate Minors
- Crime, Law, and Deviance
- Criminal Justice
- Legal Studies
- Political Science
- Psychology
- Sociology

For online programs visit: http://www.ucf.edu/online/.

General Regional Campus information:
Website: http://www.regionalcampuses.ucf.edu

Programs are offered via multiple delivery methods: web, video-streaming, and face-to-face. Delivery methods vary by location. For degree programs and minors, it is possible not all courses will be scheduled every semester, or on every campus location. Check the actual program webpage and the academic schedule for specifics.

Regional Campuses also offers a Bachelor of Applied Science degree as an option for transfers with an Associate of Science degree. Availability of tracks varies by location.
Central Florida Research Park
The Central Florida Research Park, adjacent to the main UCF campus, is a University-related research park established as a result of legislation passed by the Florida Legislature in 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners (which appoints the members of the Authority). The governing body of the Research Park is the Orange County Research and Development Authority.

The objectives of the Central Florida Research Park are in keeping with the legislative action that enabled its creation “to encourage and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will continue to grow. The location of this innovative industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park tenants.

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.

Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

Endowed Chairs
Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a center on major economic issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art education and ease the shortage of nurses. Chair: James Combs.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. Chair: TBA.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 2007 to strengthen and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

Endowed Chairs
Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a center on major economic issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art education and ease the shortage of nurses. Chair: James Combs.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. Chair: TBA.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 2007 to strengthen and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

Endowed Chairs
Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a center on major economic issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art education and ease the shortage of nurses. Chair: James Combs.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. Chair: TBA.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 2007 to strengthen and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”

Endowed Chairs
Endowed chairs are established under the Florida Major Gifts Trust Fund, which provides $420,000 in state funds to match $600,000 in contributions from private sources within a five-year period.

Phillips-Schenck Chair in American Private Enterprise: Created in 1980 as the focal point for a center on major economic issues, comparative economic systems, and economic decision-making in business. Chair: James Combs.

Charles N. Millican Chair in Computer Science: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingh Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art education and ease the shortage of nurses. Chair: James Combs.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. Chair: TBA.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 2007 to strengthen and promote the establishment of research and development activity combining the resources of institutions of higher learning, private sector enterprise involved in pure or applied research, and state or federal governmental agency research.”
University Ombuds Office
Ombuds Officer: Shreya Trivedi
MH 247; 407-823-6440
http://ombuds.ucf.edu/

The Ombuds Office is an informal, impartial, independent and confidential resource for all members of the University community. It is not an office of notice of wrongdoing and cannot participate in any formal grievance or appeal process. The Office provides assistance and guidance regarding concerns related to the University. These services are available to every member of the University community: students, staff, faculty, and others. Any type of concern may be brought to the attention of this office: academic, financial, housing, consumer, work-related, or personal. The University Ombuds Officer, as a neutral facilitator, will listen to concerns and assist visitors by developing a range of options in an informal attempt to achieve resolution. Referral and direction to appropriate individuals and offices, and clarification of University policies and procedures are services of the office. All proceedings in individual cases will be held confidential and all-terrain vehicle patrols are utilized to meet the unique needs of the campus. Within the division, specialized units such as K-9, motorcycle, bicycle and all-terrain vehicle patrols are utilized to meet the unique needs of the campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are for whatever reason unable to give their number or location can still receive emergency assistance. Communications Operators are on duty 24 hours a day. Blue light emergency phones are located at more than 217 locations on campus to allow persons in need of assistance to contact UCF Police, and the phones dial directly to the Communications Center to ensure a swift response if needed. Patrol officers are all assigned Mobile Data Terminals (MDT) so that they may view the details of each call as information is updated by the Communications Center.

College of Undergraduate Studies
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and the Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2693
http://www.academicservices.ucf.edu/

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.
programs and services at each session. A women’s self-defense class is also scheduled once monthly during each semester. For students who stay on campus late, the Safe Escort Patrol Service (SEPS) is available 24/7 and provides a safe escort to vehicles and dorms on campus. Officers from Community Partnerships are also assigned as day shift officers at the Lake Nona Medical Campus.

The Special Events Division is responsible for reviewing all concerts, sporting events and other functions that may require police security. During large events, such as football games, UCF Police staff may be supplemented by other law enforcement agencies, such as the Florida Highway Patrol, the Orange County Sheriff’s Office, the Seminole County Sheriff’s Office and the Oviedo Police Department.

Victim Services (12201 Research Parkway, Ste. 450, Orlando 32826; main number: 407-823-2425, 24/7 hotline: 407-823-1200), provides intervention and prevention services for all members of the UCF community and visitors who have been impacted by crime, violence or abuse with or without a police report. Counselors are available 24 hours a day, seven days a week. Services include crisis intervention, advocacy, support, safety planning, practical assistance, options, information and referrals. Educational programming also is provided to academic and social groups on campus.


Information Technologies and Resources

Vice President and CIO: Joel L. Hartman
MH 338K; 407-823-6778
http://www.itr.ucf.edu

The Division of Information Technologies and Resources has University-wide responsibility for planning, implementation, and support of information technology and the allocation and administration of space. Units within the Division include the Library, Computer Services & Telecommunications, Instructional Resources, the Center for Distributed Learning, and Space Planning, Analysis and Administration. The services and resources of each unit are described in the following sections.

University Libraries

Director of University Libraries: Barry B. Baker
LIB 512: 407-823-2564
http://library.ucf.edu

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2 million volumes, 53,000 journal subscriptions, 3.3 million microforms and 65,000 media titles. The Libraries’ electronic resources include 475 data-bases and 149,000 e-books.

The John C. Hitt Library on the main campus is open 105 hours per week. Operating hours are available at http://library.ucf.edu or by calling (407) 823-2756.

- Over 340 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one week checkout.
- Wireless technology enables patrons who have portable devices available to access the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms and one practice presentation room are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hitt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.
- Infusion, the Libraries’ cyber-cafe learning space, offers food and beverage items, 34 desktop PCs, comfortable seating areas, closed-captioned television, and a browsing collection for leisure reading.

The Knowledge Commons area offers seating for 479 students, access to 196 desktop PCs, collaborative group study areas, and rolling white boards.

- For help and advice in the use of resources and materials, the Research and Information Desk, http://library.ucf.edu/Services/Reference/, located on the main floor, is open most library hours. Individual appointments can also be made for in-depth research consultations. These appointments provide student one-on-one time with a librarian - http://library.ucf.edu/help/schedule-an-appointment/.
- Ask A Librarian service answers questions submitted through chat, text, instant messaging, e-mail or telephone at (407) 823-2562 or toll-free at (866) 271-7589 - http://library.ucf.edu/ask.
- The Libraries supports the development of information literacy skills through the provision of Information Literacy Modules, http://infolit.ucf.edu/. The modules provide just-in-time instruction for students on topics such as citing resources, evaluating websites, and plagiarism.
- Librarians have also created subject-specific research guides to help students identify resources within their discipline.
- Students can also access instructional videos from the libraries’ YouTube channel: http://www.youtube.com/user/UCFLibraries.
- Citation Management Programs are also available for FREE from the UCF Libraries. Workshops are offered each semester on how to use EndNote and RefWorks
- http://library.ucf.edu/ScholarlyCommunication/CitationTools.php.
- Another key service for Graduate Students is Interlibrary Loan and Document Delivery. The UCF Libraries will pull books and scan articles that are owned by the library, as well as borrow materials from other libraries. For more information, call (407) 823-2383 or visit the ILL website, http://library.ucf.edu/ILL.

In collaboration with the University’s Office of Student Accessibility Services, students are eligible for Document Delivery to their place of residence, and may request assistance with retrieval of in-house materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with MAGic and JAWS software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/services/accessibility-services/.

Primary source material from Special Collections and the University Archives supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more, http://library.ucf.edu/SpecialCollections.

UCF Libraries partners with other libraries and local institutions through Central Florida Memory, Florida Heritage, Digital Library of the Caribbean, and similar web-based projects to provide digital access to special and historic images and documents http://library.ucf.edu/Systems/DigitalInitiatives/DigitalCollections/.

Branch Libraries

The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representative PK-12 curriculum materials for preview, review, analysis and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 903-2781.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, visit http://library.ucf.edu/Rosen or call (407) 903-8100.

Regional Campus Libraries

Regional Campus Libraries and collections are available through partner libraries in Cocoa, Palm Bay, Ocala, Daytona Beach, Sanford-Lake Mary, Leesburg, Ocala, and West Orlando. The university partners with state colleges to provide complete information services. Two websites that are particularly helpful for Regional Campus needs are:

- http://library.ucf.edu/about/libraries/
- http://library.ucf.edu/my-account/
UCF librarians provide one-on-one, in-person, and virtual assistance by appointment. All locations provide electronic access to library and university resources on the web. Courier and intercampus loan services make the John C. Hitt Library’s collections available to UCF students at all regional and branch campus sites.

Office of Instructional Resources (OIR)

Director: Don Merritt
CB1 203; 407-823-2571
http://www.oir.ucf.edu

The mission of the Office of Instructional Resources (OIR) is to further the academic, research, and administrative goals of the University of Central Florida and its faculty through the design, application, and support of multimedia resources and services.

The Faculty Multimedia Center (FMC) is OIR’s media production facility dedicated to faculty. Located in Classroom Building I (CB1) Room 202, the FMC hosts equipment and staff that faculty can call upon to help them create multimedia materials for their teaching and research needs. The FMC also partners with the Faculty Center for Teaching and Learning and the Center for Distributed Learning to host the Faculty Multimedia Workshop Series, a 30-minute workshop with 30-minute hands-on assistance for faculty who wish to increase their content creation skills.

OIR also supports videoconferencing and other online collaboration facilities and services for university use, including thesis and dissertation committee support. OIR can provide consultation to determine the most appropriate method of collaboration to meet your needs. For consultation services or to reserve a videoconference space, please contact OIR at 407-823-2571 and ask to speak with a collaboration specialist.

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College Scheduler to reserve a classroom or to change the meeting space for a class.

Space Planning, Analysis, and Administration (SPAA)

Assistant Director: Christy Collier
MH 329; 407-823-0982
http://spaa.ucf.edu

SPAA facilitates the university’s space request and allocation process, maintains an accurate space inventory for internal and external reporting purposes, and provides analyses and information that support the instructional, research, and administrative space needs of the university and its respective colleges and divisions. SPAA works closely with UCF Facilities Planning and Construction and the Registrar’s Office.
University of Central Florida/Campuses

Intercollegiate Athletics
Vice President and Director: Danny White
WD2; 407-823-2261
http://www.UCFKnights.com

The University of Central Florida, a member of the National Collegiate Athletic Association (NCAA), Division I, competes in 16 sports and is a member of the American Athletic Conference. UCF’s intercollegiate sports for men include baseball, basketball, golf, football, soccer and tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis and volleyball.

UCF’s athletics teams are successful on the field, in the classroom and in our community.

Currently in their third season of membership in the American Athletic Conference, the Knights have won AAC titles in football (2013, 2014), women’s soccer (2013, 2014), softball (2014) and volleyball (2014). In addition to winning back-to-back league titles, the UCF Football program received the conference’s automatic bid to a BCS Bowl game following the 2013 season and defeated Baylor in the Fiesta Bowl.

UCF Athletics’ 93 percent graduation success rate ranks No. 1 among all public universities nationwide. It is the sixth-best mark of any school in NCAA Division I (FBS).

During the past five years, UCF student-athletes have contributed a total of more than 400,000 hours of community service in the Central Florida region and around the world.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2008 full-time cohort is 70.5 percent. The retention rate for Summer-Fall full-time 2013 students is 89.1 percent. The information is public and available for review on the Institutional Knowledge Management website.

CFE Arena, The Venue, and Knights Plaza
http://www.cfearena.com

The CFE Arena is the largest entertainment and sports facility in East Orlando. With seating for 10,000 fans, it is home to UCF Men’s and Women’s basketball, university and high school graduation ceremonies, and a diverse lineup of weekend-entertainers, beloved family shows and festivities rivaling any in the country.

Nestled on the north side of the CFE Arena, The Venue is a more intimate space showcasing special events and UCF Women’s Volleyball.

Knights Plaza, a living-learning community on the north end of UCF’s main campus is the home of the CFE Arena and The Venue, features an exciting mix of student apartments, garages, services, shops and dining. Come early and stay late.

For event, retail or rental information, visit http://www.cfearena.com or http://www.knightsplaza.com. For information on apartment rental, please visit http://www.housing.ucf.edu.

Campus Bookstores
UCF’s main campus is home to two Barnes & Noble College bookstores.

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It also offers the largest variety of UCF clothing in the world, including logo gift items, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee.

For store hours and information, visit http://www.shopucf.com or call 407-823-2665.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the CFE Arena at Knights Plaza is the official headquarters for all of your graduation supplies and more. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-882-0364.

Parking and Transportation Services
Director: Kris Singh
Visitor and Parking Information Center: 407-823-1371
Email: krishna.singh@ucf.edu
http://www.parking.ucf.edu

The Parking and Transportation Services department offers a variety of transportation options to, from, and around the campus.

The UCF Shuttle provides transit needs for students residing in 21 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:00 p.m. UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 9 stops on campus. On campus shuttles operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms.

An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes 10 round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Friday, during the fall and spring semesters, and six round-trip runs between 8:00 a.m. and 7:00 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the Health Sciences Campus. It makes 14 round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

Arrivals and departures can be tracked via UCF mobile application or http://m.ucf.edu/shuttles/routes.

These services are complimentary to all UCF students, faculty, and staff members, and operate on all class days, including exam weeks. Please refer to the webpage at http://parking.ucf.edu/Shuttle.html or call 407-823-2131 for detailed information.

In addition, two Lynx bus routes, Links 13 and 30, serve the UCF campus from Oviedo, Downtown Orlando, Valencia College, and East campus. Commuters may connect to most anywhere in the Greater Orlando area. The Lynx buses normally operate at 30 to 60 minute intervals. Route maps may be obtained at the UCF Visitors and Parking Information Center and the Information Kiosk at the Student Union. Further details, including rates and information on special passes, may be obtained by calling Lynx at 407-841-8240, or from their website, http://golynx.com.

Orlando Shakespeare Theater in Partnership with UCF
Artistic Director: Jim Helsinger
812 E. Rollins St., Suite 100, Orlando FL 32803
Email: jimh@orlandoshakes.org
http://www.orlandoshakes.org

The Orlando Shakespeare Theater in Partnership with UCF is a professional AEA theater producing classic, contemporary and children’s plays. The theater presents a Signature Series of adult plays, a children’s theater series, The Playfest Festival of New Plays, and innovative educational programming that includes summer camps, The Young Company (a summer high school performance group), Shakespeare with Heart (a summer program in partnership with...
United Cerebral Palsy and UCF), and the K-12 “Shakespeare Alive” and “Shakesperience” programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

The theater has achieved a position of national recognition, attracting artists from across the country. The theater has been featured on the Today Show, Good Morning America, and in national publications such as The Wall Street Journal, American Theater, Stage Directions and Southern Theater magazine. The third year of UCF’s Acting MFA in Theatre is spent in residence at the theater. Internships and independent studies for UCF undergraduates are also available with the theater in many departments. $12 rush tickets are available for UCF students 1/2 hour before performances with student ID. To purchase tickets, contact the box office at 407-447-1700, or go on the web at http://www.orlandoshakes.org. For internship information and other questions, contact Artistic Director Jim Helsinger at jimh@orlandoshakes.org.

UCF Alumni Association
UCF FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586)
http://www.ucfalumni.com

The UCF Alumni Association connects all Knights with the university and each other through social, cultural and professional development opportunities — for life.

The alumni association is a dues-free organization, which means there’s no membership fee for alumni to get involved with its chapters and clubs program, or to take advantage of the many benefits and discounts available to them.

The 4EVER KNIGHTS (4EK) student alumni association connects students with alumni while creating a culture of philanthropy at the University of Central Florida. 4EVER KNIGHTS is the largest student organization on campus and offers students a variety of fun and valuable events, benefits and discounts, as well as leadership, scholarship and service opportunities.

UCF Foundation, Inc.
Stewardship Coordinator, Communications, Marketing and Donor Relations: Tambrea Hurst
PVL 250; 407-882-1247
Email: tambrea.hurst@ucf.edu
http://ucffoundation.org

The UCF Foundation, Inc. is the official fund raising organization for the University of Central Florida. It is a 501(c)(3) nonprofit organization and the university’s primary partner in securing philanthropic resources.

The Foundation was established in 1969 as the Florida Technological University Foundation, Inc. and became the University of Central Florida Foundation, Inc. when the university changed its name in 1978.

The role of the UCF Foundation, Inc. is to enhance relationships with alumni, friends, faculty, staff and community partners and to promote philanthropic participation within the UCF community.

The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
International Affairs and Global Strategies (IAGS)

Vice President: Cynthia Young
Assistant Vice President: Nataly Chandia
GB, 407-883-2337; Fax: 407-882-0240
http://www.international.ucf.edu/

International Affairs and Global Strategies (IAGS) is the organizational division on campus dedicated to international outreach and opportunity. Its mission is to transform lives by providing access to high impact, international experiences across the UCF and global community and to serve as a model of excellence for innovation, partnership, and services. This is accomplished in part through the administration of UCF Abroad and the English Language Institute, along with multiple compliance units offering support services to international students, faculty, and staff. Additionally, IAGS facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. IAGS also works with UCF departments to facilitate the hiring of international faculty and staff, process H-1B employment visas, and ensure tax compliance on payments made to international vendors. Support is provided to the international population on campus in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions, cultural orientation, advising, academic registration, graduation, housing accommodations, emergency referrals, interpretation services, immigration, and advising. IAGS works closely with the College of Undergraduate Studies to ensure that all students have access to the most comprehensive and effective advising and support services available on campus.

UCF Abroad
http://www.studyabroad.ucf.edu

UCF Abroad provides access to high impact, international experiences for students interested in studying or interning outside the United States as a portion of their degree program. UCF Abroad participants are exposed to new environments, new customs, and in many cases new languages in an effort to broaden their perspectives and develop the skills necessary to set them apart in the global workplace. Self-discovery, self-confidence, and cultural awareness are a few of the additional benefits to studying abroad. UCF Abroad also works with external program providers to open up options for students in all disciplines and all desired destinations.

The main two types of programs administered by UCF Abroad are Short Term Programs and Reciprocal Student Exchanges. Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time. These programs are often the most cost-effective option for students and meet all academic criteria for UCF coursework. Courses delivered as part of these short-term programs can be delivered as a complete module within themselves or as a complement to a course delivered on campus. Often led by a UCF faculty member, examples of past short term programs include the following: Intensive language programs in Austria, France, Italy, Japan, Spain and Taiwan; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica, Russia and the United Kingdom; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Italy. Reciprocal Student Exchanges (RSEs) provide UCF students with the opportunity to become a student at a university abroad for a full term or even an entire academic year. A longer term abroad allows the opportunity to become a student at a university abroad for a full term or even an entire academic year. A longer term abroad allows the opportunity to develop career skills for students interested in studying or interning at UCF. They can get further assistance in choosing their program, understanding their requirements, and receiving advice on the cost and/or academic credit implications of studying abroad. For up-to-date information, please visit http://www.studyabroad.ucf.edu or call UCF Abroad at 407-882-2300.

English Language Institute
http://www.international.ucf.edu/ELI

Since 1987, the University of Central Florida’s English Language Institute (ELI) has served as a home away from home for thousands of international students who want to study English in the United States. Registration open all over the world, ELI offers high-quality intensive English programs, a world-famous location, and high-impact cultural experiences. The motto of ELI is: “Learn. Connect. Continue.” Students learn the English skills necessary to communicate and operate in the United States. During their time here, they connect with a diverse community of international students in a beautiful American city. Finally, after completing their studies at ELI, students continue onward by pursuing higher education at UCF and advancing in their careers with a strong command of the English language.

UCF Abroad
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and institutional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs. To gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year. OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and oversight and data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

If you or someone you know would like to get involved with the English Language Institute, please reach out to ELI staff by emailing contacteli@ucf.edu or by calling 407-823-5515.

Experiential Learning (Office of) (OEL), College of Undergraduate Studies

Interim Director: Ulla Isaac
CSEL 300; 407-823-2267
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and institutional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs. To gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year. OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and oversight and data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Experiential Learning (Office of) (OEL), College of Undergraduate Studies

Interim Director: Ulla Isaac
CSEL 300; 407-823-2267
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and institutional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs. To gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year. OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and oversight and data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.

Experiential Learning (Office of) (OEL), College of Undergraduate Studies

Interim Director: Ulla Isaac
CSEL 300; 407-823-2267
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in the College of Undergraduate Studies provides guidance, instructional and institutional support for experience-based learning courses at UCF. Its primary goal is to enable all students to include major-, career-, or course-related real-world experience in their academic programs. To gain the personal, academic and professional competencies they need to be successful employees and engaged community members upon graduation. About one third of the student body participates in experiential learning opportunities each year. OEL has received national awards for its program innovation, quality instruction and assessment, broad-based collaboration, and institutional support. It contributes to the development and instruction of quality experiential learning courses across campus and helps keep curriculum current by offering faculty training, quality assurance, measurement of learning outcomes in experience-based learning courses, and oversight and data to colleges for grant proposals, assessment, and accreditation purposes. Additionally, OEL collects data and applies for awards through which the university has been recognized numerous times for excellence in student engagement and partnerships.
All of these options provide major-related, real-world experience that help students clarify career goals, apply classroom theory, gain relevant competencies, and increase the likelihood of their entering graduate school or obtaining major-related employment upon graduation.

- Internships are available to students on all campuses in all colleges. They are courses that provide one semester of major-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships can be part-time (usually during the school year) or full-time (usually during summers). They are available through OEL or through college departments.

- Co-op opportunities are available to students on all campuses in all colleges. They are courses that provide a linked series of progressively responsible internships, always major- or career-related, paid, and occurring over multiple semesters. They are either part-time around class schedules or full-time alternating semesters of work experience and coursework, structured for learning with reflection, supervision and evaluation, and available for non-credit or credit when it will count in a student’s academic program. The co-op program at UCF is accredited, one of the largest in the country, and recognized nationally as a model for quality and benefits to students.

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with an “SL”. In course listings so that students can choose to participate in this type of learning experience. A service-learning certificate, noted on a student’s transcript, is available for students who complete at least four designated service-learning courses with 12 credit hours.

Students are encouraged to come to OEL as soon as possible to plan for their participation, preferably during the semester before they want to participate to allow time to obtain an appropriate learning experience. For co-op or internships, students first complete an online application, followed by an introductory group session to obtain access into the OEL online database system. Then they meet with OEL faculty to receive guidance, assistance in pursuing opportunities, referrals, and registration into experiential learning courses. To participate in service learning courses, students may select courses with an “SL” designation during the registration process. General information, online application, current co-op and internship opportunities through OEL, requirements for participation, tutorials, modular courses and resource information, as well as materials for service-learning are all available on the OEL website.

National Consortium for Academics and Sports (NCAS)
Director, Special Programs and Events: Suzi Katz-Slowinski
BA2 113; 407-823-3555
http://www.ncasports.org

Vision: to create worldwide social justice through the power of sport.

Mission: The mission of the NCAS is to use the power of sport to effect positive social change. We educate and empower individuals and organizations by inspiring values-based thinking leading to actions that promote social responsibility and equality.

Core Values:

- Diversity and Inclusion

We believe diversity and inclusion serve as a catalyst to promote fairness, equity, and justice.

At the NCAS, we harness the power of diversity and inclusion to capitalize on individual and collective strengths and help teams, staffs, and organizations reach their full potential. Respect and appreciation of difference are the founding principles of diversity and inclusion. As advocates of fairness and equality, the NCAS hopes to build a global awareness and cultural competence through the power of sport. We strive to be on the cutting edge, proactively working to understand who and how they want to participate to allow time to obtain an appropriate learning experience.

Education

Education has the power to transform lives and empowers people to make a difference.

The NCAS embraces the principle that everyone has a right to be educated, and has a duty to use what is learned to improve society. Since its inception, NCAS member institutions have offered opportunities for athletes to complete their degrees even after eligibility has expired. In addition to our advocacy for traditional education, the NCAS educates and empowers people by raising awareness of social justice issues and by offering strategies and solutions for overcoming them.

Social Justice

The NCAS is committed to peace and justice by raising awareness and developing strategies for dealing with social justice issues worldwide.

The NCAS aims to provide the education, tools and strategies for dealing with these issues and empowers individuals to take action for those without a voice. We challenge sports leaders and athletes to embrace leadership roles by supporting everyone’s basic human rights, and confronting all forms of discrimination, hate, and violence, while advocating for those who are underrepresented.

Ethical and Moral Leadership

The NCAS’s unshakeable vision for sport driven social change demands that we challenge ourselves, and others, to aspire to the highest standards of ethical and moral behavior.

Ethical and moral actions are the foundation that enables individuals, organizations, and leaders to gain leadership credibility. The beliefs and actions of leaders have significant impact on their respective organizations and, as such, effective ethical and moral leadership blends humility with determined professional will. The NCAS’s ambitious goals for sport driven social change can only be accomplished through a tireless commitment to ethical and moral behavior. Thus, we dedicate ourselves to advocate for ethical and moral leadership through the power of sport.

The Power of Sport

The global impact that sport has on society reminds us that teamwork and unity transcend the fields of competition, and has the irreducible power to positively change people’s lives.

We apply the lessons of “the huddle” to illustrate how divergent interests and beliefs can unite under a shared vision and common goal. We believe sport has an immense impact on societies across the globe. Sport has been known to galvanize communities large and small. By harnessing this power and public influence, the NCAS continues to promote social change domestically and around the world. Changing lives through the power of sport.

Division of Continuing Education

Director: Todd Freece
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0260; Fax: 407-882-0266
http://www.ce.ucf.edu

The Division of Continuing Education (DCE) serves as the unit within Academic Affairs for the centralized administration of continuing education at UCF. In partnership with the academic, business, and professional communities, DCE provides local, state, national, and international clients with high quality, affordable, credit/noncredit educational programs and services. DCE clients include K-12, degree seeking students, domestic and international corporations, and local, state and federal government.

Off-Campus College Credit Programs

University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

Off-Campus College Credit and Corporate Education Programs assist UCF Academic Colleges in the administration and coordination of approved partnerships and other specially formatted credit courses and degree programs for the academic colleges. Registration may be conducted on site or via the web for student convenience. Registration for non-admitted students does not constitute regular admission to the University.
Institutes and Centers for Research

**Dick Pope, Sr. Institute for Tourism Studies**

*Director*: Abraham Pizam
9907 Universal Blvd., Suite 231-A, Orlando, FL 32819; 407-903-8010

*Associate Director*: Roberto Coros
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028

Email: DIT@mail.ucf.edu
http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting. Some of the Institute’s patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to informing the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

**Executive Development Center**

*Executive Director*: Robert Porter

*Associate Director of Degree Programs*: Robin Hofer
407-235-3913; Email: mba@ucf.edu

*Associate Director, Executive & Professional Development Programs*: Jana Breburdova
407-235-3915; Email: executiveeducation@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide quality executive education programs to both individuals and organizations. The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforce that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

The Center serves as a valuable resource in executive training and development by offering graduate degrees and non-degree programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:

- **Executive MBA Program**
- **Professional MBA Program**
- **Professional Master of Science in Management/Human Resources**
- **Professional Master of Science in Management/Business Analytics**
- **Professional Master of Science in Real Estate**
- **Open-enrollment Programs**
- **Custom Corporate Programs**

**Florida-Canada Linkage Institute**

*Director*: Mark Hartman

407-823-3647; Fax: 407-823-2526

Email: fcll@ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Canada and the State of Florida. The Institute, administered by International Affairs and Global Strategies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The Institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and Florida College System institutions for the same tuition and fees as Florida residents. The awards are limited to 25 FTE and are competitive.

**Florida-Eastern Europe Linkage Institute**

*Director*: Mark Hartman

407-823-3647, Fax: 407-823-2526

Email: eeli@ucf.edu

The Florida-Eastern Europe Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between the countries in central and Eastern Europe and the State of Florida. The Institute, administered by International Affairs and Global Strategies, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The Institute administers the Out of State Tuition Fee Exemptions Program that is available for students from central and east European countries to study in Florida state universities and Florida College System institutions for the same tuition fees as Florida residents. The awards are limited to 25 FTE and are competitive.

**The John Scott Dailey Florida Institute of Government at the University of Central Florida**

*Director*: Marilyn Crotty
407-882-3960, Fax: 407-882-3968

http://www.iog.ucf.edu

The John Scott Dailey Florida Institute of Government is part of the College of Health and Public Affairs. The Institute serves as a valuable resource for local government information and provides the public sector and nonprofit entities the highest quality training, technical assistance, facilitation services, conference planning and coordination and administrative services to improve Florida’s communities.

**Florida Solar Energy Center (FSEC)**

*Director*: James Fenton
1679 Clearlake Road, Cocoa FL 32922-5703; 321-638-1000

Email: info@fsec.ucf.edu

http://www.fsec.ucf.edu

The Florida Solar Energy Center (FSEC), UCF’s energy research and education institute, was established in 1975. Located on the Cocoa campus of UCF and Eastern Florida State College, FSEC has gained national and international respect for its public and private partnerships, focusing on: solar energy, energy-efficient buildings, hydrogen and fuel cells, electric vehicles, smart-grid research, and testing and certification of solar equipment. The Center conducts continuing education and training programs for professionals, government and industry leaders around the world, in addition to Science, Technology, Engineering and Mathematics (STEM) opportunities for the future energy workforce.

**Florida Space Institute (FSI)**

*Director*: Ramon Lugo

Florida Space Institute, PO Box 160650, Room 214 A, Orlando, FL 32816-0650; 407-823-6172; Fax: 407-823-6359

Email: ramon.lugo@ucf.edu

http://fsi.ucf.edu

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers. FSI provides opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located at Research Park, Orlando, which is adjacent to the UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The team participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near-solar environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectrograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.

UNIVERSITY OF CENTRAL FLORIDA
The Institute for Simulation and Training (IST) is an interdisciplinary institute that conducts research and development in the areas of simulation and training. IST is located within the Florida Simulation Industry (FSI), a research and academic arm of the University of Central Florida (UCF). IST is a member of the Florida Space Grant Consortium (FSGC), which is a NASA sponsored state wide higher education program, led by the UCF. Through FSGC, FSI provides opportunities for students to gain hands on space related projects like the Hybrid Rocket Competition, Florida Undergraduate Satellite Design Competition (FUNSAT), or senior design projects and participation in NASA competitions. FSGC also provides fellowships, scholarships, internship and research experiences for students.

**Institute for Simulation and Training (IST)**

**Director:** Randall Shumaker

**Partnership II & IV, 3100 Technology Pkwy, Orlando, FL 32826-0544, 407-882-1300**

**Email:** shumaker@ist.ucf.edu

**http://www.ist.ucf.edu**

The Institute for Simulation and Training (IST) is established to conduct research and develop technology that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals.

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to major simulation and training agencies from all branches of the U.S. military. The institute is a research and academic arm of the world’s largest concentration of simulation and training for industry, government, health care, and entertainment.

IST’s research staff of more than 200 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

- Multi-resolution simulation
- Virtual, mixed, and augmented reality
- High performance computing
- Human-machine interface, robotics
- Computer-generated forces
- Mathematical foundations
- Application development
- Information management technology
- Human factors psychology
- Team training and team performance
- Cognitive science
- Augmented cognition
- Medical-related simulation
- Embedded simulation
- Advanced performance technology
- Human performance in healthcare
- Behavioral cybersecurity

IST actively assists UCF in the development of simulation-related curricula. First in the nation, IST offers a master’s degree in simulation systems, the university in collaboration with IST also offers a truly multidisciplinary Ph.D. in Modeling and Simulation. Both master’s and doctoral programs accept applications from graduate students in computer science, digital media, psychology, engineering, mathematics, business, and other related disciplines. Also available at the graduate level are the Modeling & Simulation Professional Science Master’s degree, a two-year course of study providing a combination of technical, business courses, and the Graduate Certificate in Modeling and Simulation of Technical Systems, which requires fifteen or more credit hours beyond the bachelor’s degree and is beneficial to technical professionals involved with constructing and using simulation models of dynamic systems.

The institute annually employs more than 100 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills.

The institute includes in its efforts development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In cooperation with UCF, the University of South Florida, and University of Florida, and with considerable participation from area industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.

**Oak Ridge Associated Universities (ORAU)**

**President and ORAU Councilor for University of Central Florida:** John C. Hitt

**ORAU Corporate Secretary:** Monnie E. Champion

865-576-3146

http://www.orau.org

Since 1989, students and faculty of University of Central Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postdoctoral associates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in a number of programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are specially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing on these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at http://see.orau.org, or by calling the number above.

ORAU’s Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU’s members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the ORAU Events Sponsorship Program, the ORAU Travel Grants Program and the Lindau Meeting of Nobel Laureates and Students.

**Small Business Development Center (SBDC)**

**Regional Director:** Eunice Choi

3201 E Colonial Drive, Suite A20, Orlando FL 32803 (Located in the National Entrepreneur Center), 407-420-4850

Email: echoi@ucf.edu

http://www.sbdcorlando.com

The Small Business Development Center (SBDC) is part of a statewide organization designed to promote economic development by responding to the needs of the small business community. The SBDC, as part of the Office of Research and Commercialization at the University of Central Florida, is responsible for eight counties in the Central Florida area including ten satellite offices located at Daytona State College, Eastern Florida State College, Seminole State College, Kissimmee Chamber of Commerce, City of Palm Coast, and three Lake County Business Opportunity Centers. Assistance is provided through workshops and no-cost individual counseling in the following areas:

- Start-Up
- Finance
- Operations
- Technology
- Market Expansion & Revenue Growth
- Accounting
- Management
- Business & Strategic Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Exchange, Export Marketing Plan Services, Growth Acceleration Services, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of Procurement Technical Assistance Center (PTAC) and Small Business Resource Network (SBRN).
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://admissions.ucf.edu

The Office of Undergraduate Admissions at the University of Central Florida coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida public institution transient students to the Orlando campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

The Office of Undergraduate Admissions seeks to attract students who are motivated, creative, and committed to academic excellence. The office will accomplish this through personal contacts, strategic communication, information management, and targeted recruitment. The office is dedicated to providing quality customer service through effective teamwork and through the development of collaborative partnerships with both internal and external communities.

The office administers several programs for prospective students and parents, including daily tours and information sessions, open houses, area receptions for admitted students, and high school and Florida College System institution visits by admission representatives. It also provides the opportunity to meet one-on-one with an admission representative on campus. Please visit our website for further information.

Office hours are: Monday/Thursday 9:00 a.m. to 6:00 p.m., Tuesday/Wednesday/Friday 9:00 a.m. to 5:00 p.m.

Campus Visit Experience

Information sessions and campus tours are available through our “Campus Visit Experience”. All freshmen (First-Time-In-College: FTIC) and transfer prospective students and their families are encouraged to participate. The Campus Visit Experience, which includes both an information session and tour of the campus, begins at the Duke Energy UCF Welcome Center at 10:00 a.m. and 2:00 p.m., Monday through Friday, except holidays. Reservations can be made by visiting our website at http://admissions.ucf.edu. “Transfer To Be A Knight” information sessions are held for prospective transfer students on select days throughout the year. Visit http://admissions.ucf.edu/transferknights/ for more information. Group tours of up to 80 or special requests may be accommodated and can be requested by visiting our website.

Admissions representatives are available to discuss particular concerns about admission to the University. You may contact the Office of Undergraduate Admissions at 407-823-3000 or visit us at our website. Information sessions and campus tours are also available for students interested in our Rosen College of Hospitality Management near International Drive. Please contact them at 407-903-8166 for further information.

Application for Admission

All interested applicants should complete the University of Central Florida “Undergraduate Admissions Application” online at http://admissions.ucf.edu and submit the $30 (in U.S. Currency), non-refundable application fee. Students should apply several months in advance of an anticipated start date and provide a completed file by the published application deadline. Questions concerning admission requirements and applications can be forwarded to admission@ucf.edu.

Applications for admission can be submitted up to one year prior to the start of the term desired. The application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information regarding University housing can be found at http://www.housing.ucf.edu. Applicants can apply for housing once they are offered admission to the University. Requests for housing are subsequently reviewed according to the date of the receipt of the
housing application. The University does not discriminate based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status.

Applicants should understand that this Undergraduate Catalog outlines the general requirements that must be considered for admission. If the University finds that admission to the University is competitive. The satisfaction of minimum requirements does not guarantee admission. Conversely, Florida Department of Education policy allows the University to admit students to any semester as exceptions to the minimum requirements. The Dean of Undergraduate Admissions in the Office of Undergraduate Admissions and the Admissions and Standards Committee are responsible for the admission of all undergraduate students under this exception policy.

Applicants must submit official transcripts from each educational institution attended to the Office of Undergraduate Admissions. Applicants must likewise submit official score reports for credit earned from each appropriate testing agency (e.g., AICE, AP, CLEP, or IB). To be considered official, supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents must be received by the Office of Undergraduate Admission no later than six (6) days after the first day of classes.

Note: Furnishing false or fraudulent statements in connection with an application for admission or residency affidavit may result in disciplinary action, denial of admission, loss of financial aid, and invalidation of credits or degrees earned.

Those enrolled students who have not submitted official completed records by the deadline will be placed on administrative hold. Students with these incomplete records will not be permitted to register for a future term until all official transcripts and other required documentation have been received. If, upon review of final transcripts, student records are not satisfactory, they may be placed on academic probation, have their admission status revoked, changed to non-degree or transient status, may become ineligible for financial assistance, and may, in some cases, be withdrawn from the University. In addition to the required documentation mentioned above, students must have a satisfactory conduct record at all schools attended.

Due to restrictive state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://programs.online.ucf.edu/. While residing in one of these states, students may not be permitted to enroll in UCF online courses.

Reactivation

Students who have submitted an application for admission to UCF as a degree-seeking student and do not attend, may reactivate the original application within one year of the term for which they first applied. To update the application, students should complete the Reactivation Form by the published application deadline date. This form can be found online at http://admissions.ucf.edu. This process reactivates the application only; additional official credentials may be required. Admission for one term does not guarantee admission for a future term.

Limited Access Programs

Admission to the University does not guarantee admission to a limited access program. Some majors at the University limit the number of students who may enroll. Limited access status occurs when student demand exceeds available resources (e.g., faculty, instructional facilities, equipment) or when specific accrediting requirements apply. Criteria for admission are selective and include: indicators of ability and indicators of performance, creativity, or talent to complete required work within the program.

Orientation

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at http://fye.ucf.edu/.

Admission Categories

Students may submit applications to the University for one of the following categories:

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment, on- or off-campus)
C. Transfer*
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public institution)**
F. Non-Degree Seeking (not including students who have already earned a bachelor degree)***
G. Limited Non-Degree Seeking****
H. Special Non-Degree Seeking (includes students participating in specific non-degree seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

**Students applying as transient from a Florida public institution should apply through Florida Shines at http://www.floridashines.org.

***Students who have already earned a bachelor degree and wish to attend as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduated.ucf.edu/nondegree_applicants/.

****Please see the “Academic Regulations and Procedures” section of this catalog for this admission category.

High School Diploma

Freshmen who are applying for admission to the University are required to have a standard high school diploma (or the equivalent) or a General Equivalency Diploma (GED).

Entrance Examination Scores

All FTIC applicants for admission must submit test scores from the SAT Reasoning Test, redesigned SAT (rSAT), or the ACT Plus Writing (students applying for Spring 2017 or later are not required to submit an rSAT with essay or ACT writing section). In addition, any student whose native language is not English may be required to submit a Test of English as a Foreign Language (TOEFL) or an International English Language Testing System (IELTS) score.

High School Academic Units and Grade Point Average

All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Plus (+) and minus (−) will not be included in the high school GPA recalculation. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), honors and dual enrollment courses will be given additional weight in the computation of the academic GPA. The high school academic unit requirements are as follows:

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (three of which must have included substantial writing)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (at or above the Algebra I level)</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (included: history, civics, political science, economics, sociology, psychology, and geography)</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (both credits must be in the same language)</td>
<td>2</td>
</tr>
<tr>
<td>Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units 18
Applicant Eligibility
As stated in Florida Board of Governors Regulation 6.002, an SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later) is required of all State University System FTIC applicants. Students with a high school GPA of 2.5-2.99 on a 4.00 scale as calculated by the university must achieve the minimum scores for each section of the SAT (or its corresponding score on the redesigned SAT (rSAT), based upon official concordance tables which will be available from the College Board after the administration of the first rSAT) as outlined below:

Students admitted prior to Spring 2017:
- SAT Critical Reading >= 460 or ACT Reading >= 19
- SAT Mathematics >= 460 or ACT Mathematics >= 19
- SAT Writing >= 440 or ACT English/Writing >= 18

Students admitted Spring 2017 or later:
- SAT – Critical Reading or concorded score from rSAT Evidence-Based Reading and Writing >= 460 or ACT Reading >= 19
- SAT – Mathematics >=460 or ACT – Mathematics >=19

Each state university reserves the right under Florida BOG regulation (6C 6.002) to establish admission criteria that exceeds Florida BOG minimums.

Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.

A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work. The University will provide appropriate advising for each student admitted under this alternative.

Students who have been enrolled in dual enrollment courses will be required to have a minimum “C” average (2.0 GPA) for all completed dual enrollment course work.

A student must demonstrate competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution to be offered admission.

Dual Enrollment/Early Admit Applicants
High School students who have demonstrated exceptional academic ability may be permitted to enroll as university students while completing their high school programs. There are three types of dual enrollment programs:

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for their senior year of high school to complete their high school graduation requirements. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later);
   - Completed Early Admission/Dual Enrollment Authorization Form and,
   - written permission from parents or legal guardian.

2. Dual Enrollment On-Campus is for students who desire to dual enroll on a part-time basis, taking one or two courses on campus, while completing their high school course work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.

3. Dual Enrollment Off-Campus is for students whose high schools sponsor on-site courses at specific high schools. Students earn both high school and college credit for successful completion of course work. Each respective high school selects students who are eligible to participate in these programs. Contact your high school guidance office for detailed information.

Transfer Applicants
UCF welcomes transfer applications to the university. Students should apply online at http://admissions.ucf.edu and arrange to have official transcripts sent from all colleges attended. The Office of Undergraduate Admissions computes a grade point average (GPA) for each institution attended, as well as a cumulative GPA on all college courses attempted. This computation does recognize plus or minus grades and only recognizes grade forgiveness when it is used as part of an awarded statewide articulated Associate in Science degree or an Associate in Arts degree from a Florida public institution. Applicants must have a cumulative minimum GPA of 2.0 as well as a minimum GPA of 2.0 and be in good standing as a degree-seeking student at the last institution attended to be considered for admission to UCF. Meeting these minimum requirements does not guarantee admission.

Transfer students are required to complete at least 30 hours in residence at UCF to earn a bachelor’s degree. In addition, students must complete 48 hours in residence at UCF to be eligible to receive baccalaureate honors recognition at the time of graduation.

Transfer Applicants with Fewer Than 60 Credit Hours
Transfers with less than 30 transferrable semester hours: Must minimally meet freshman high school unit entrance requirements, the high school academic GPA and minimum SAT Reasoning, redesigned SAT or ACT Plus Writing (or ACT for students applying for Spring 2017 and later), have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

Transfers with 30 or more but less than 60 transferrable semester hours: Must minimally have successfully completed (C or higher) at least one English Composition course and one college level mathematics course that consists of three (3) semester credit hours; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. High school transcripts may be required to demonstrate completion of the foreign language admission requirement. Students not meeting these requirements must meet the requirements for transfer students with less than 30 transferrable semester hours. Meeting these minimum requirements does not guarantee admission.

Transfer Applicants with an A.A. Degree from a Florida Public Institution
Admission of Associate in Arts (A.A.) degree graduates from Florida College System institutions and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions of Florida, as approved by the State Department of Education. The agreement states: The associate in arts degree is the basic transfer degree of the Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student’s preferred public postsecondary institution or program is not guaranteed.

Any student admitted without demonstrated proficiency in a foreign language or American Sign Language equivalent to the second high school level or the elementary 2 level at an undergraduate institution must satisfy the admission requirement prior to graduation. Florida College System institution Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State DOE Rule 6A-10.024):

1. Admission to one of the twelve state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;

UNIVERSITY OF CENTRAL FLORIDA
Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution

Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:

- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule; and,
- Demonstrated proficiency at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution. This requirement applies to those students without the required demonstrated proficiency equivalent to the second high school subject.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor's Degree Applicants

Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application to are outlined as follows:

- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://admissions.ucf.edu/.

- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://registrar.ucf.edu/readmission-application.

Credits from a Previous Baccalaureate Degree

Graduates from other regionally-accredited four-year U.S. institutions who apply for admission to work toward a second undergraduate degree must meet the regular requirements of the university (as defined in the “Undergraduate Degree Requirements” section of this Undergraduate Catalog). Students must meet all transfer GPA requirements. A baccalaureate degree or higher from another regionally accredited four-year U.S. institution satisfies the General Education Program requirements and also provides exemption from the foreign language requirements for admission and graduation.

Note: If a baccalaureate degree from a regionally accredited four-year U.S. institution includes credit from a non-regionally accredited institution, the credit from the non-regionally accredited institution may not be included as transfer credit. This would result in the transfer of less than the total number of credit hours awarded within the baccalaureate degree.

Transient Student Applicants

A student in good standing with a minimum 2.0 GPA at the last regionally-accredited institution attended who desires to enroll for one term at UCF may be considered for admission as a transient student. Such enrollment terminates at the end of one term and does not presuppose degree-seeking admission to the University. A transient student must submit an official transcript from the last institution attended. Transient student applications must be received by the appropriate application deadline. If a student’s last school of attendance is a Florida public institution, they must apply through the Florida Shines website at http://www.floridashines.org. Transient students are not eligible to receive financial aid. Registration is permitted on a space-available basis. Meeting minimum GPA requirements does not guarantee admission.

Non-Degree Seeking Applicants

A student who wishes to attend UCF but not work toward a degree and has not already earned a bachelor’s degree, must apply to the Office of Undergraduate Admissions as a non-degree seeking student. Non-degree seeking applicants must follow the same procedure and must meet the same admission requirements as transfer applicants. Please see the details on the previous page for transfer applicants. Meeting minimum admission requirements does not guarantee admission.

A student who has already earned a bachelor’s degree and wishes to attend UCF as non-degree seeking must follow the procedure through our Graduate Admissions Office located at http://www.admissions.graduate.ucf.edu/nondegree_applicants.

International Applicants

The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://admissions.ucf.edu. Because of additional processing time needed for non-immigrant students joining UCF on F-1 or J-1 visas, those students should submit the application and all required academic documentation by the international application deadlines. The international application deadlines are as follows: Fall, March 1; Spring, September 1; and, Summer, January 1.

The following items will be needed in order to review an application for admission:

- Submit the completed UCF admissions application form with the required $30.00 non-refundable application fee (credit card online, check or money order in U.S. currency). The online application is available on our website at http://www.admissions.ucf.edu.

- Students who attended an international secondary school that uses a grading and evaluation system different from the U.S. system will need a document-by-document evaluation and a GPA computation of the secondary school record in English. This record, which should include performance evaluations, grades for work completed over a period of at least three years, as well as any certificates earned, should be sent to one of the agencies listed below. They will translate it if necessary, evaluate it, and then send their evaluation directly to UCF. A grade point average should be calculated and must appear on this evaluation.

- If the student has attended any international universities, an English translation and evaluation of work completed at each institution will be necessary. Transcripts should be sent to one of the agencies below for a course-by-course evaluation. Please note that if 60 or more credit hours have been earned at a post-secondary institution, it will not be necessary to submit the secondary school records.

- Results of the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) may be required of students whose first language is not English. Information can be obtained from TOEFL at http://www.ets.org/toefl or IELTS, http://www.ielts.org.

- Results of the SAT Reasoning Test, redesigned SAT (rSAT), or ACT Plus Writing (or ACT for students applying for Spring 2017 or later) will be required if the student has earned less than 30 credit hours of college credit and may be required if the student has earned at least 30 but less than 60 transferrable semester hours. Information regarding these examinations may be obtained from the College Board (SAT) at http://www.collegeboard.org or from ACT at http://www.act.org. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also file a “Certification of Finances” form and supporting financial documents with International Affairs and Global Strategies indicating financial support to cover educational and other expenses for the first year of study. These documents can be found online at https://www.international.ucf.edu/ and must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

Educational Translations and Evaluations

Foreign diplomas must meet the requirements specified in Florida State Code, section 229.814. UCF will accept evaluations of academic credit from these agencies:

Josef Silny and Associates World Education Services
Mandatory Health Insurance for International Students on F and J Visas

Each international student on an F or J visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Student Health Services to comply with the State of Florida mandatory health insurance requirement for F and J students. Minimum coverage limits are posted on the Student Health Services website at http://www.studenthealth.ucf.edu. Use the link for International Students that directs you to information that is specific to the UCF-endorsed health insurance plan that meets all the State of Florida requirements. Proof of insurance coverage must be submitted to Student Health Services and may not be submitted via email.

The University reserves the right to refuse registration to any international student on F or J visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw courses on a non-regionally accredited institution included within a degree requirement, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a degree requirement.

For questions, call UCF Student Health Services at 407-823-1261 or go to their website noted above.

Non-Academic Admission Clearances

Florida Board of Governors Regulation 6.001 (7) authorizes universities to refuse admission to applicants due to past misconduct. The University further requires the Vice President For Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University, shall be denied admission or readmission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.

Transfer Credit: All Applicants

All grades from a regionally-accredited college or university in transfer courses that are normally part of a baccalaureate degree program are shown on the student’s permanent UCF record. Effective Fall 2001, the University recognizes a grading system of plus or minus. In addition, grade forgiveness is honored only if it has been awarded as part of an AA or a specific statewide articulated AS degree from a Florida public institution. Credit is not awarded based on job descriptions, life experience, or course work that is non-academic, or transfer course work from a non-regionally accredited institution included within a baccalaureate degree earned from a regionally accredited institution.

Accredited Institutions

For the purposes of this Undergraduate Catalog, “Accredited Institutions” means those colleges and universities accredited by any of the following six regional associations:

- New England Association of Schools and Colleges;
- Middle States Association of Colleges and Secondary School, Commission on Institutions of Higher Education;
- North Central Association of Colleges and Schools, Commission on Colleges and Universities;
- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

The accreditation status of all foreign institutions must be evaluated through either Josef Silny and Associates, Inc. or World Education Services.

All college level credits earned for which official transcripts have been submitted will be compiled into a “Transfer Summary Report” (TSR) soon after the student is offered admission. Some credits listed on the TSR may not be applicable toward graduation course requirements. The TSR will be the basis for constructing a Degree Audit, which applies earned credits to the intended degree program. The Degree Audit provides the student with an assessment of which degree requirements have been met and what remains to be satisfied. Although all college-level course work transferred from a regionally accredited institution is shown on the TSR and the UCF transcript, the applicability of the course toward degree requirements is determined by the college/school/department of the major.

General Education Transfer Credits

Transfer students from a Florida College System institution or state university may satisfy the General Education Program requirements of UCF by completing the general education program prescribed by that institution. Transfer applicants with incomplete general education programs will have their credits evaluated on a course-by-course basis.

Credits from Private and Out-of-State Institutions

Transfer credit from private junior and senior colleges and out-of-state institutions will be evaluated on a course-by-course basis. Each student must submit the necessary petition(s) to the appropriate office(s) to determine which courses will transfer with regard to degree progress at UCF. Transfer courses that meet the requirements of the General Education Program and the Gordon Rule are determined through the process described in the “Undergraduate Degree Requirements” chapter of this Undergraduate Catalog. Petition procedures vary by college. Generally the petitioning of transfer courses for satisfaction of college and major requirements should be done during the second full term of the student’s residency at UCF, so that the accepted transfer courses are understood clearly by the student and the faculty advisor early in the student’s tenure at UCF.

Credits from Military Service School Courses

Completed military service school courses may be evaluated on the basis of the recommendations of the American Council of Education (ACE) when official credentials have been properly presented. While credit may be granted when courses are equivalent to those offered by the University, recommendations by the ACE are not binding upon the University. Even though military records may have been evaluated by another regionally-accredited institution, it is important to have official credentials sent to UCF for evaluation. Credit is not awarded for basic training.

Baccalaureate Honors

Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average (including all transfer credit). For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance
Director: Alicia Keaton
MH 120; Switchboard: 407-823-2827; Fax: 407-823-5241
Email: finaid@ucf.edu
http://finaid.ucf.edu

Office Hours:
Monday and Thursday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
(Hours subject to change during holidays and semester breaks.)

The Office of Student Financial Assistance, a unit within Student Development and Enrollment Services, is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, we offer limited counseling services through phone and email.

Student Rights and Responsibilities
Students have the right to full information about the financial aid programs available at UCF, our application procedures, aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students also have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or disability. All students’ records are confidential.

It is the student’s responsibility to review and understand all information and instructions, meet all deadlines, and provide all information and documentation accurately. Errors and omissions can cause delays and prevent students from receiving assistance. Misrepresentation is a violation of federal regulations.

Student Eligibility
To receive aid from most federal and state financial aid programs, students must meet certain requirements. All students are encouraged to complete the Free Application for Federal Student Aid (FAFSA) annually, before March 1, to determine eligibility. The FAFSA results are required for many programs. The federal processor, using a standardized formula, calculates financial need. Those results are then forwarded to the schools that were identified on the application. UCF must be listed on the FAFSA in order to receive the data. UCF’s Federal School Title IV code is 003954. Regulations are subject to change at any time.

Application Priority Date
All students must apply or reapply annually for federal aid. To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF no later than March 1st to meet the university’s application priority date.

If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan.

Students should not wait to be admitted to UCF before applying for financial aid; however they cannot be offered a financial aid package until they have been admitted to the university.

Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible.

Students enrolled in the fall semester should submit all requested documents by the May 30th priority deadline for timely review and processing of their financial aid file. However all students should have a completed financial aid file at least 60 days prior to the beginning of any given semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term.

A broad range of scholarships is available with diverse criteria. Please review the Scholarship page found on the website for additional information.

STUDENT FINANCIAL ASSISTANCE

Applicant Procedures

The FAFSA can be filed electronically at http://www.fafsa.ed.gov;

Using the IRS Data Retrieval Tool found within the FAFSA is the most accurate, and secure method of providing the required federal tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide federal tax return transcripts from the IRS to the financial aid office. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, may be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;

Information provided on the Student Aid Report (SAR) should be reviewed thoroughly;

Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. Delays can be costly as well as frustrating;

Federal regulations require that some students be selected for verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process;

Students selected for verification for the 2016-17 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester;

Late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid.

Offered federal funds and other need-based financial aid are considered estimates until verification is complete and all necessary corrections have been made.

Specific Eligibility Requirements and Conditions for Receiving Financial Aid

Students must be accepted and classified as degree-seeking at UCF in an eligible program of study. Only courses toward degree requirements count for financial aid purposes;

Students must maintain UCF’s Standards for Satisfactory Academic Progress (See http://finaid.ucf.edu/receiving/sap.html for more information);

Students are required to inform the Office of Student Financial Assistance of any additional sources of aid they expect to receive beyond those listed on the award notification or award information provided on the Student Center on myUCF. Any subsequent awards or income may require a revision of the financial aid package. This includes, but is not limited to, any private scholarships or third party tuition payment/ waivers;

Students may not receive aid in excess of their Cost of Attendance (See http://finaid.ucf.edu/applying/app_costs.html for more information);

Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;

Students must provide all information requested for the completion of their file. If selected, verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;

Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;

Students must reapply annually for financial aid;

Students must accept, reduce or decline offered loan(s) on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Counseling and Master Promissory Note (MPN) for a Federal Direct Stafford Loan at UCF;

Students must be U.S. citizens or an eligible non-citizen, (e.g. resident aliens). Eligible non-citizens include a permanent U.S. resident with a Permanent Resident Card (I551); a conditional permanent resident with a Conditional Green Card (I-551C); as well as some I-94 classifications;

Students must have a high school diploma, GED certificate, or completed secondary school through homeschooling as defined by state law;
Student Financial Assistance

- For need based programs, students must show financial need as determined by the FAFSA;
- Male applicants must be registered with Selective Service, if applicable.

Program Eligibility Charts

To ensure enrollment in sufficient hours for the various financial aid programs, please refer to the Program Eligibility Charts on the website, under Receiving Aid (See http://finaid.ucf.edu/receiving/sec.html for more information).

Helpful Hints

- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet the university’s application priority date;
- Use the IRS Data Retrieval Tool located within the FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide federal tax return transcripts from the IRS. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Students selected for verification for the 2016-17 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have complete financial aid file no later than 60 days prior to the beginning of a semester.
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit original documents; will be shredded after scanning.)
- Students should activate their Knights Email account and check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered.
- Respond promptly to all information requests; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid.
- Students may visit the office during normal business hours to speak with a counselor;
- Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

School Costs

Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website http://finaid.ucf.edu/applying/app_costs.html for the estimated Cost of Attendance. The Cost of Attendance is not a bill. It is considered estimated charges a student can expect to incur upon enrolling in classes at the university.

<table>
<thead>
<tr>
<th>Estimated Cost of Attendance for 2016-2017</th>
<th>Undergraduate Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall/Spring based on 14 hours per term</td>
<td></td>
</tr>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$5,954</td>
</tr>
<tr>
<td>Books</td>
<td>1.152</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>9,764</td>
</tr>
<tr>
<td>Transportation</td>
<td>1,866</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>3,104</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$21,840</td>
</tr>
</tbody>
</table>

Financial Aid Programs Available at UCF

Financial aid comes in many forms, such as grants, scholarships, employment, loans and waivers. The Program Eligibility Charts on the website under “Receiving Aid” list the various programs and their specific enrollment requirements. Detailed information for each program can also be found on the website under its particular title.

Grants are considered gift aid and do not have to be repaid. Only undergraduate students who have not previously received a bachelor’s degree and who demonstrate financial need may be eligible for grant programs. Awards are based on the amount of available funds and the number of eligible applicants. To be considered for grant awards, students must meet eligibility requirements and have a valid FAFSA on file at UCF.

Scholarships are awarded based on various criteria, including financial need, campus/community activities, leadership positions, academic excellence, and work experience. Scholarships are designed to reward, encourage, and assist students in pursuing academic excellence and leadership roles.

Federal Work Study is designed to provide students who demonstrate financial need with an opportunity to earn money while pursuing a degree. Individual departments hire students while the Office of Student Financial Assistance determines the eligibility, award amount, and pay rate.

Loans are borrowed funds that must be repaid. They provide undergraduate students with an opportunity to invest in their future. Undergraduate students must enroll for at least six hours at UCF in UCF classes to be considered for federal loans. First time Federal Direct loan borrowers are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. Students who do not receive Federal Direct Subsidized Loans for more than 150% of the published length of their academic program. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for details.

Award Notification

Award notifications are mailed to first time UCF students after March 15th, while email award notifications are sent to continuing students. Initial award may be amended due to factors such as contingent admission status, less than half-time enrollment, lack of academic progress, changes needed due to verification, incomplete files, receipt of additional resources, etc.

Financial aid awards will be based upon the student’s financial need, the amount of available funds, the number of UCF students who qualify for aid, and the date the student completes the application process. The amounts listed on the award notifications are estimates based on full-time enrollment. For purposes of financial aid, enrollment is based solely on classes that count toward degree completion.

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking.

Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

It is the student’s responsibility to be aware of minimal requirements for each program, which can be found on the Program Eligibility Charts on the website. When requirements are no longer met, awards will be adjusted as necessary and will update on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees

Deferrals allow for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. The fee invoice reflects the deferred due date for tuition and fees. Students given a deferral are advised that their tuition and fee charges must be paid by the due date noted on the student’s fee invoice, which is the deferment date. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. In order to have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap and drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.
**Confirmation of Academic Engagement and Disbursements**

Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester and continues each week thereafter. During the first week of classes, students are required to confirm academic engagement in each of their courses. This is done through either the student completing an academic activity that has been established by the faculty member or by faculty physically taking attendance. Students may complete the academic activities after the first week of classes but they may receive a later disbursement of aid for those courses. At the end of the Drop/Swap and Add period, awards are adjusted based on the student’s enrollment and confirmation of academic engagement. The week following, the disbursement process is initiated by moving students’ awards to the student’s account. Once funds are disbursed to the Office of Student Account Services, the disbursement record is posted on myUCF under “View My Account” on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any Federal Direct PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to ensure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address reflected on myUCF.

Students should be aware of the disbursement process so that they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance (STA) for Books or the Textbook Purchase Program is available for students to help with these expenses. The STA application is available for download prior to each term, so that funds may be available as early as two weeks before the first day of classes. For additional information regarding these two programs, visit: [http://finaid.ucf.edu/receiving/funds_for_books.html](http://finaid.ucf.edu/receiving/funds_for_books.html).

**Satisfactory Academic Progress (SAP)**

Federal regulations require the University to establish Standards of Satisfactory Academic Progress as a general eligibility requirement for financial aid. A student must maintain satisfactory academic progress in a course of study regardless of whether the student previously received financial aid or transferred in from another institution.

To meet the standards adopted by the University of Central Florida, a student must:

- Maintain a minimum cumulative GPA of a 2.0 at the undergraduate level.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>180 Attempted Hours</td>
</tr>
<tr>
<td>Second Undergraduate</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td>100 Attempted Hours (including all graduate level hours)</td>
</tr>
<tr>
<td>Doctor</td>
<td>120 Attempted Hours (including all graduate level hours)</td>
</tr>
</tbody>
</table>

Students who do not meet the above standards will be placed on financial aid warning for the next semester. At the end of that semester, students must either meet the standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.

**Repeat course/s, including the original attempt, will be counted towards the completion ratio and maximum time frame requirements.**

For detailed SAP policy information, please refer to the Office of Student Financial Assistance website at: [http://finaid.ucf.edu](http://finaid.ucf.edu).

**Re-establishing Eligibility after Cancellation**

Any student with extenuating circumstances, (i.e., death of a relative, an illness or injury of the student, etc.), who is placed on cancellation status may appeal to the Financial Aid Review Committee for reinstatement based on his/her special case.

If the student was canceled for the failure to complete 70% of the attempted hours and since cancellation, has brought up the percentage to a minimum of 70%, the student will be reinstated during the end of the semester review process. If a student was canceled for not meeting the GPA requirement, they will be placed back on a reinstated status once their GPA has been brought up to the required level during the end of semester review process.

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available at [http://finaid.ucf.edu](http://finaid.ucf.edu), under Forms).
- Include a detailed statement that explains the extenuating circumstances that prevented or resulted in the student not meeting the SAP standards.
- Attach documentation supporting specific circumstance(s) to the appeal form;
- Meet with an Academic Advisor and have the advisor complete an Academic Plan for Financial Aid;
- Submit the appeal, supporting documentation, and academic plan to the Office of Student Financial Assistance. After a thorough evaluation of the written request and all supporting documentation, the Financial Aid Review Committee will notify the student of the decision by email communication or the student may view the updated status on myUCF, under View Financial Aid Status.

For detailed SAP policy information, please refer to the Office of Student Financial Assistance website at: [http://finaid.ucf.edu/receiving/sap.html](http://finaid.ucf.edu/receiving/sap.html).

**Satisfactory Academic Progress Probation**

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on Financial Aid Probation status as long as they successfully comply with the prescribed academic plan that is submitted as part of the SAP Appeal. Progression will be monitored during the probationary period at the beginning and end of each semester to ensure the student is following the prescribed academic plan and successfully matriculating through their program of study. Disbursements will not be made for a semester unless it is verified that the prior review (if applicable) was acceptable and student is in the proper classes for the term in question. All probation students must successfully complete a minimum of 70% of the credits that they attempt each semester. In addition, students on probation for GPA and/or completion ratio must make positive progress in the appropriate area(s).

**Transfer Students**

Be informed. Not all financial aid programs are transferable and eligibility for some programs will be determined by UCF. The application process must be complete; pay close attention to priority filing dates. If a FAFSA for the year in question has already been filed, request that the federal processor forward the information to UCF, School Code 003954, by utilizing Part II of the Student Aid Report and adding the UCF School Code to the online FAFSA, or calling the Federal Student Aid Information Center at 1-800-4 FED AID. The To Do List on myUCF will indicate any required forms.

Transfer students expecting to receive the Florida Bright Futures Scholarship at UCF are required to contact the Florida Department of Education Office of Student Financial Assistance (OSFA) to transfer their scholarship from their previous institution to UCF. Students can call OSFA at 1-888-827-2004 or log onto the Bright Futures Scholarship website at [https://www.floridaanonymousaid.org/home/ApplyHere.asp](https://www.floridaanonymousaid.org/home/ApplyHere.asp) to transfer the scholarship to UCF.

**Independent Students**

You will be classified as independent for financial aid purposes if at least one of the following applies:

- You are 24 years of age or older by December 31 of the award year;
- You are married at the time the original FAFSA was filed for the year;

**Student Financial Assistance**
Student Financial Assistance

- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2016-17 school year;
- you now have or will have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30, 2017;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who have engaged in active duty (including basic training) in the U.S. Armed Forces, or are a National Guard or Reserves enlistee who was called to active duty for other than state or training purposes, or were a cadet or midshipman at one of the service academies, and were released under a condition other than dishonorable. You are not a veteran now but will be one by June 30, 2017.

- at any time since you turned 13, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless;
- you were determined, by the director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime on or after July 1, 2015; or
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2015.

Transient Enrollment

Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. Transient enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Check the Program Eligibility Chart for detailed requirements for each program. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

UCF students attending a Florida public community/state college or university must complete the Transient Student Admission Application through Florida Shines at https://www.floridashines.org/.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

1. Transient Notification Form for Financial Aid for Out of State and Private Institutions.
2. A copy of the Fee Invoice and Class Schedule from the transient (host) Institution.
3. A copy of the Transient Student Approval Form with required signatures from Academic Advisor, Academic Services (if required) and UCF Registrar’s Office.
4. A completed Consortium Agreement Form signed by the transient school’s Financial Aid Office.

Students who are enrolled in transient hours must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to ensure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts at the conclusion of the term, confirming that the attempted hours are completed. This will help avoid Satisfactory Academic Progress problems.

Students may not receive financial aid from two institutions for the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in an mandatory repayment to one of the two schools for the overpayment.

Over Awards

An over award occurs when a student’s award package has exceeded either the unmet need or Cost of Attendance. To prevent over awards, students are required to notify the Office of Student Financial Assistance if any potentially unmet need is not yet listed on the student’s financial aid award summary on the Student Center in myUCF. In the event of an over award, the student’s award package is reduced to eliminate the over award, which may result in a repayment to the institution of the U.S. Armed. This includes late scholarship notifications that may occur during the academic year. Students are advised to discuss the impact of receiving scholarship funding after other financial aid funds have disbursed with the financial aid office.

Refunds and Return of Title IV Funds

Students should be aware that if they completely withdraw (officially or unofficially) from the university after having received financial assistance, they may be required to repay a portion of that assistance.

Students who received Federal Direct Stafford Loans should also know that the Registrar’s Office is required to notify the National Student Loan Data System (NSLDS) of student withdrawals. This may change their loan deferment status with their loan servicer(s).

Professional Judgment

The federal methodology used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances (i.e. loss of employment, death of parent/spouse, etc.) should contact the office to review their specific situation with a counselor. If a student presents extenuating circumstances, an appeal can be submitted to include support documentation for review. The appeal will be reviewed and a decision will be made through the Professional Judgment review process.

Repeated Coursework

Federal regulations state that students may only receive federal financial aid funding for one repetition of a previously passed course. As a result, any repeated course(s) that the student enrolls in (current or future terms) cannot be used in the calculation of his/her enrollment level for financial aid purposes for that particular term, regardless of whether or not financial aid was received for the course(s). The repeated course(s), including the original attempt, must be counted towards maximum time frame and hours completion ratio requirements for Satisfactory Academic Progress purposes, which can impact a student’s financial aid eligibility. For detailed information, visit http://finaid.ucf.edu/receiving/repeat_coursework.html.

Maximum Time Limitation on Direct Subsidized Loan Eligibility

There is a limit on the maximum period of time an undergraduate student can receive Direct Subsidized loans. First time Federal Direct loan borrowers on or after July 1, 2013, are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. In general, students may not receive Direct Subsidized Loans for more than 150% of the published length of their program of study. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for more information.

Excess Hours Surcharge

In 2009, the Florida Legislature implemented Section 1009.286, Florida Statutes to encourage students to complete their baccalaureate degree as quickly and efficiently as possible and established an excess hours surcharge. The bill requires universities to add a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by UCF as baseline hours limit. The amount charged per credit hour is a calculated amount referred to as the excess hour surcharge.

The financial aid office cannot increase students cost of attendance as a result of being charged the excess hour surcharge nor can federal financial aid be used to pay for this charge. State, institutional, and private funding can however pay this charge. The excess hour surcharge is a state statute and should not be confused with the federal SAP standards. Students are encouraged to meet regularly with their academic advisors to map out a timely completion of their degree. For more information, please refer to http://registrar.ucf.edu/excess-hours.
STUDENT TUITION AND FEES

Student Account Services
Senior Associate Controller: Kelly D’Agostino
MH 109; 407-823-2433,
Email: stuaccts@ucf.edu
http://www.studentaccounts.ucf.edu/

General Information
Student Account Services is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts. The Student Account Services office is responsible for:
- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2016-2017 tuition and fees had not been established at the time of this publication. Rates for the 2016-2017 academic year will be available in July 2016 at http://tuitionfees.lkm.ucf.edu/. Fees are subject to change without notice.

Tuition and Fees: Tuition and fees are established by the State Legislature and the University Board of Trustees and are subject to change without notice. Fees are affected by residency status. Tuition and fees are charged per semester or term for main campus, regional campuses, and continuing education courses. Tuition is assessed on a per credit hour basis. Students classified as zero-hour registration students are assessed one credit hour at the Florida Resident Tuition rate for the course level for which the student is registered.

Tuition Fee Invoice: A student’s Fee Invoice will show all tuition and fee charges, payments, and deferments associated with the term, and courses in which the student is currently enrolled. The Fee Invoice will not show fees such as housing, library, parking, etc. Tuition Fee invoices are available 24/7 on the web https://my.ucf.edu, and from the student’s college advising offices. Students should review their current Tuition Fee Invoice prior to making a payment. Tuition Fee invoices are not mailed. The Tuition Fee Invoice should be reviewed once after initial registration of courses and also after making any changes to the initial registration to ensure that the fees are adjusted accordingly.

Fee Payment Deadlines: All University tuition and fees must be paid by the published dates. Tuition and fees not paid or deferred by the payment deadline for each term will result in late fees and may result in the cancellation of all classes. Refer to the Academic Calendar each term for the fee payment deadlines.

Limited Non-Degree Enrollment Classes: Payment guidelines for Limited Non-Degree enrollment classes can be found on the “Registration Form for Non-Admitted Students.” It is the student’s responsibility to officially drop from courses to avoid additional financial obligations.

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:
"I understand that I will be responsible for tuition and fees for all courses that remain on my record after the drop deadline and that the courses will be graded.

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account will be referred to a collection agency, and I agree to reimburse the fees of any collection agency, which may be based on a percentage of the debt collected, and all costs and expenses, including reasonable attorneys’ fees incurred in such collection efforts."

The deadline to DROP classes without incurring a W Grade and Fee Liability will be one day earlier than the deadline to ADD classes. Please consult the Academic Calendar or the Enrollment Bulletin Board in Student Self Service for these deadlines.

Note: The Fall 2016 Financial Responsibility Statement had not been established at the time of this publication.

Payment Procedures
Payment must be received or postmarked no later than the fee payment deadlines as specified on the Academic Calendar. The primary form of payment of most account holders is on-line through the E-pay system via the myUCF portal. Students can pay using a check or a credit card in this system. Payments cannot be transacted by telephone.

Acceptable forms of payment:
- Personal Checks
- Credit Cards (Acceptable credit card types are American Express, MasterCard, and Discover). Please review the Student Account Services website at http://www.studentaccounts.ucf.edu/ for current payment information.
- E-Pay - https://my.ucf.edu – E-Check (Personal Check) or Credit Card
- A nonrefundable convenience fee will apply per credit card trans-
- Payments made at any time on the published fee payment dead-
- E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page. Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2016, Fall 2016, or Spring 2017). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

Waived payments: (Please do not send cash)
- Include student’s name and PID# on personal checks or money orders (check payable to University of Central Florida)
- Address payments to: University of Central Florida Student Account Services
tt: Payment Processing P.O. Box 160115 Orlando, FL 32816-0115

Payment Drop – 24-Hour Depository at main campus (located on Reflecting Pond side entrance of Millican Hall) (no cash)

Other Forms of Payment
Tuition and fees may be partially or completely paid by financial aid, Florida Prepaid, tuition waivers, or departmental grants. The student is responsible to pay any amount that is not covered by these types of payments by the due date on his or her fee invoice.

Financial Aid – see Student Financial Assistance for rules and procedures. All fees not deferred by financial aid are due by the due date on his or her fee invoice.

For information regarding Florida Prepaid College Plan or Tuition Waivers, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

UCF Payment Plan
The UCF payment plan is a 2-payment design in which the student pays $15 upfront to be allowed to pay only 50% of the total tuition bill by the regular payment deadline, therefore avoiding a late payment fee, and being dropped for non-payment. The student is then responsible for paying the remaining 50% by the Payment Plan deadline on their Fee Invoice. Students receiving financial aid, Florida Prepaid, waivers, or third party payments already have an extended payment deadline and will not be eligible for the UCF payment plan.

Florida Prepaid
UCF Student Account Services will automatically defer tuition and fees and bill Florida Prepaid (FPP) up to the maximum billable amount based on the number of credit hours enrolled. Students with active FPP deferrals will see the Estimated FPP showing on their Fee Invoice for the term. Please note that no FPP Plan will cover 100% of the fees associated with the tuition assessed. Student Account Services use an automated system to identify students with active FPP accounts, which eliminates the need to turn in a FPP Card.

Tuition and Fees for Senior Citizens
Persons 60 years of age or older who meet Florida residency requirements may register to audit classes on a space-available basis without payment of tuition and application fees. Registration is on a space-
Student Tuition and Fees

available basis; see the appropriate term’s Academic Calendar http://calendar.ucf.edu for registration dates and times. The tuition fee waiver cannot be used for courses that require increased costs (such as thesis, dissertation, and directed individual study). A “Florida Residency” Affidavit is required to establish Florida residency. A completed “Student Health History” form must be filed prior to registration. Inquiries should be directed to the Registrar’s Office (MH 161; Telephone: 407-823-3100).

Refund of Fees

A refund of fees will be processed under the conditions noted below. The student must submit a written appeal for a refund or other appeal action to the University within six months of the close of the semester to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Full Refund Eligibility

The following conditions allow a full refund: 1) A class is dropped prior to the end of the Drop period; 2) Cancellation of a course by the University.

Partial Refund (25%)

25% of tuition and associated fees assessed and paid, adjusted for waivers is refundable when the student withdraws completely from the University prior to the end of the fourth week of classes during a 16 or 17 week semester, or at the end of the first quarter of classes during a summer session.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Exceptional Circumstances

Refunds for exceptional circumstances may be available for certain Administrative Record Changes of courses. Up to 100% of tuition and registration fees are refundable if due to circumstances determined by the University to be exceptional, including, but not limited to, sickness, death, involuntary call to military service, or University administrative error. If approved, a Late Withdrawal does not result in a refund of tuition and fees. Please visit the Academic Services website for more information.

A written appeal for a refund or other appeal action must be submitted to the University within six (6) months of the close of the semester to which the refund or other appeal action is applicable.

Direct Deposit

Students are strongly encouraged to establish direct deposit with the University. Direct Deposit prevents delays due to lost checks or change of address. All refunds from students’ accounts can be direct deposited into the student’s checking account to any U.S.A. bank in the federal system. Funds are usually available within 24-48 hours after disbursement, and enrollment only takes a few minutes. To enroll, sign in at https://my.ucf.edu and click on Student Self Service. Go to the Student Accounts Service link, then click on Direct Deposit and follow the instructions.

Past Due Accounts

All financial obligations to the University must be met. Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are the responsibility of the debtor.

Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment.

Late Fees

Late Payment Fees apply to students who do not pay their fees (or obtain a full fee deferment) by the payment deadline. The Late Payment Fee is $100 per term minimum.

Late Registration Fees are charged to students who enroll following the close of the regular registration period for the term, who re-register, or who enroll for the first time that term during Late Registration and Drop/Swap and Add period. The Late Registration Fee is $100.00 per term minimum.

Late Payment DNP (Drop for Non-Payment) Fees are charged to students who are dropped for non-payment of courses per term minimum. *Summer term is divided into sessions, and the late fees are charged per session.

Florida Residency for Tuition Purposes

At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors Regulation 7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she includes on the application for admission, providing that no other information is available that calls into question the information contained on the application.

To qualify as a Florida resident for tuition purposes in accordance with State regulations, the student must be a United States citizen, resident alien, parolée, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service.

And

Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. The student’s residence in Florida must be as a bona fide domicile rather than for the purpose of maintaining a mere temporary residence or abode incidental to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And

Submit the following documentation (or in the case of a dependent student, the parent must submit documentation) prior to the first day of classes for the term for which resident status is sought:

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile (Note: the Declaration of Domicile will support a claim of residency for tuition purposes only after a period of 12 months from the date that the Clerk of the Court notes that the declaration was sworn and subscribed to them.)
   b. Proof of purchase of a home in Florida in which the student resides.
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., leases, employment records).

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license or Florida identification;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts) where you reside.
   f. Verification of permanent employment, full-time (30 hours/week x 52 weeks) in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to
the first day of classes of the term for which the student requests Florida residency;

g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;

h. Proof of continuous presence in Florida during periods when not enrolled as a student;

i. Proof of former domicile in Florida and maintenance of significant connections while absent;

j. Proof of reliance upon Florida sources of support;

k. Proof of domicile in Florida of family;

l. Proof of admission to a licensed practicing profession in Florida;

m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;

n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;

4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

Be married to a person who has been a legal resident of the State of Florida for the required 12-month period and relinquish legal ties to any other state,

Or

Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent, or active drilling members of the Florida National Guard,

Or

Be a member of the full-time instructional or administrative staff of a state public school, Florida College System institution, or university in Florida, a spouse or dependent,

Or

Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is in Florida,

Or

Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,

Or

Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,

Or

Be a full-time Latin American or Caribbean student who receives scholarships from the federal or state government,

Or

Be a United States citizen living on the Isthmus of Panama who has completed 12 consecutive months of college work at the Florida State University Panama Canal Branch, or a spouse or dependent,

Or

Be a graduate student of the Southern Regional Education Board’s Academic Common Market attending Florida’s state universities,

Or

Be a full-time employee of a state agency or political subdivision of the state when the student fees are paid by the state agency or political subdivision for the purpose of job-related law enforcement or corrections training,

Or

Be a U.S. Citizen who is a McKnight Doctoral Fellowship recipient,

Or

Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.551(7)(a),

Or

Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,

Submit a statement as to the length of residence in Florida and their residency qualifications under the above criteria. Students requesting Florida residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled, or to the Registrar’s Office if they already are enrolled.

Residency Reclassification

The offices of Undergraduate Admissions and the College of Graduate Studies determine first term at UCF residency for tuition purposes for all newly admitted students. Thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. The Registrar’s Office cannot review student requests for residency reclassification to be effective with the student’s first term of enrollment, only subsequent terms.

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by copies of all documents that support the student’s Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors regulation 7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

When building a case for Florida residency for tuition purposes, the student must submit documents from a variety of categories. Students may consult the Registrar’s Office before submitting the reclassification request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documents and available information and will render an eligibility determination. UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. No single document shall be conclusive.

Students seeking residency reclassification should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational program as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification Application and Affidavit” and all documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230) prior to the close of “Late Registration and Add period” for the term in which Florida residency is requested. Approved residency reclassification will not be applied retroactively to previous terms.

The Registrar’s Office or Graduate Studies may require additional documentation beyond that initially submitted by the student or the claimant. None it can render a reclassification eligibility determination and it will not complete its review of the residency reclassification application until both the student and the claimant have submitted all requested documents.

All readmitted students are required to submit copies of two documents (more may be requested) such as, driver’s license, vehicle registration, and/or voter registration, to verify that they qualify and to update residency information on file. Requests for residency reclassification for UCF students looking to transfer or become transient students at another institution must be submitted in person or in writing.

UCF is authorized to make discretionary judgments as to residency within the bounds of the law and in reaching this professional judgment will evaluate all documents submitted and information available. Students who feel an error has been made or their residency reclassification may request an appeal in writing to the UCF Residency Appeals Committee through the Registrar’s Office.
Division of Student Development and Enrollment Services

Vice President for Student Development and Enrollment Services:
Maribeth Ehasz
MH 282; 407-823-4372
http://www.sdes.ucf.edu

Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience – from identification, recruitment, matriculation, and investment, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success. SDES affirms that the student who comes to UCF should not be the same student who graduates from UCF. We embrace the tenets of the UCF Creed – Integrity, Scholarship, Community, Creativity, and Excellence as a framework for developing student learning outcomes to facilitate transformational learning.

Goals of the division are to:
- Promote student progression to graduation, graduate and professional school, and productive employment.
- Create opportunities for students to develop and strengthen leadership skills.
- Assist students to further develop purpose, integrity, ethical practices, and civic responsibility.
- Embrace diversity and inclusiveness.
- Foster student engagement in the Central Florida citi-state and the global community.

Academic Services for Student-Athletes (ASSA)

Director and Senior Associate Athletic Director: Eric Wood
Wayne Densch Center for Student-Athlete Leadership;
407-823-5896
Email:assa@ucf.edu
http://assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within SDES, works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, professional and academic goals. In addition, ASSA ensures that they understand what is needed to maintain their NCAA Division I academic-athletic eligibility, as well as adhere to the American Athletic Conference and UCF rules, regulations and procedures. Lastly, ASSA assists student-athletes as it relates to the career development process.

ASSA services include:
- Providing transition services that promote the academic success of student-athletes.
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study.
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion.
- Organizing study halls, academic mentoring, and tutorial services.
- Directing students to utilize the full spectrum of other university services.
- Preparing student-athletes in their career planning and development.
- Assisting learning-disabled student-athletes with assessments and accommodations.
- Providing student-athletes with computer access and services.
Activity and Service Fee Business Office (ASF)
Director: Richard Phillips
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity and Service Fee Business Office services the purchasing, accounting and personnel needs of Activity and Service Fee funded departments and agencies and provides a variety of services to UCF students. ASF is also a support office for registered student organizations and UCF students that are allocated Activity and Service Fee funds and by the officers of all registered student organizations. In addition, the office manages the Student Government Association Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters, and attractions.

Career Services (CS)
Executive Director: Lynn Hansen
CSEL; 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career professionals. These comprehensive services are designed to help first year through graduate students with all phases of career development to include:
- Major and Career Choices.
- Academic and Career Information.
- Resumes and Cover Letters.
- Interviewing Skills.
- Job Search Strategies.
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings).
- Graduate School Information.

These programs and services are available through drop-in assistance, scheduled appointments, workshops, and major events.

Counseling and Psychological Services (CAPS)
Director: Karen Hofmann
Counseling and Psychological Services Center; 407-823-2811
Email: counctr@ucf.edu
http://caps.sdes.ucf.edu/

Counseling and Psychological Services serves currently enrolled UCF students seeking assistance with developmental and mental-health related concerns by offering a wide variety of services and programs. CAPS is composed of professional staff including psychologists, mental health counselors, social workers, and counselors-in-training who provide a confidential atmosphere and a safe environment in which students can explore and resolve personal concerns and issues. CAPS also provides advanced training and supervision for graduate students in doctoral and masters counseling programs. CAPS is open Monday through Thursday, 8 a.m.-6 p.m. and Friday, 8 a.m.-5 p.m., during fall and spring semesters and Monday through Friday, 8 a.m.-5 p.m., during the breaks and summer semesters.

CAPS offers:
- Short-term individual therapy.
- Group therapy and workshops.
- Crisis intervention and walk-in appointments.
- Crisis afterhours hotline: 407-823-2811 Press #5
- Couples therapy (both need to be UCF students).
- Outreach presentations and workshops.
- Consultation to faculty, staff, parents, and students.
- Referral services to community and campus resources.

For additional information, visit the CAPS website at http://caps.sdes.ucf.edu/.

Creative School for Children (CSC)
Director: Amy Hesse
CSC1; 407-823-2726
Email: csc@ucf.edu
http://csc.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the CSC classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the annual schedule. CSC offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years old and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and CSC academic calendar. Experiences in observation, volunteerism, and training in the academic areas are available to university students and opportunities for educational research are available to university faculty, graduate and undergraduate students. The school enrolls children of university students, employees of the university, and community members. Operating hours are 7:30 a.m.-5:30 p.m., Monday through Friday. Evening program hours are 5:35-9:15 p.m., Monday through Thursday, during the fall and spring semesters.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell
HPH 116; 407-823-3789
Email: fy@ucf.edu
http://fyae.sdes.ucf.edu/

UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students not assigned to other SDES advising offices. The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and progression at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Major Exploration Program to assist them in the major selection process.

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email and phone communication. The office focuses its efforts on providing personalized academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students. FYAE also offers academic advising at their satellite office located in Academic Village. FYAE advisors have been designated for first-year students in the EXCEL, COMPASS, freshman LEARN living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through FYAE.

FYAE advisors assist all undeclared students in major exploration and connecting with Career Services and referrals to the appropriate Colleges Offices. FYAE collaborates with the college advising support units, and other campus student support offices, in providing information resources and academic advising services through advising appointments, and student outreach program sessions. The office also supports student engagement throughout the second year.

Major Exploration Program (MEP)
http://mep.sdes.ucf.edu

The MEP has been developed to provide structured experiences to assist students are undecided about a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. MEP has several components including coordinated academic advising services from a first year advising office, major and career exploration programming activities, and online assessments. The program’s services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience (FYE)
Director: Erin Butler
HPH 216; 407-823-5105
Email: fye@ucf.edu
http://fye.sdes.ucf.edu

The First Year Experience office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK (Learning and Interacting with New Knights),
Convocation: The Knighting, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course (SLS 1501). FYE assists entering freshmen and transfer students with their transition to UCF by providing information about student services, campus life, academic support, academic advising, and registration. Freshmen and transfer students are required to attend an orientation session prior to registering for classes. Students register for the program by visiting the FYE website at http://fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide, co-curricular educational programming and activities. Students also have the opportunity to serve in a variety of leadership roles with FYE including the Orientation Team (O-Team), OSSM peer mentors, Strategies for Success course peer mentors, Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program, which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.

Fraternity and Sorority Life (FSL)
Director: Clay Coleman
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072 http://fsl.sdes.ucf.edu

The Fraternity and Sorority Life office is committed to providing excellence in programs and services to the community through participation in fraternity and sorority leadership. Students will have the opportunity to serve in a variety of leadership roles with FSL including the Orientation Team (O-Team), strategies for success course peer mentors, and Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program, which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.

Housing and Residence Life (HRL)
Executive Director: Christi Hartzler
HAB 123; 407-823-4663 http://www.housing.ucf.edu

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living on campus is strongly encouraged. Students can apply for campus housing immediately after being offered admission to the university. The online application process is available through myUCF. There is no on-campus housing for all students. Therefore, all students must apply to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer or 11.5 month annual agreements (fall/spring/summer). Many types of housing are available, ranging from suites to luxury apartments with private bedrooms and bathrooms. Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom suite-style residence halls. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus. More information on the different housing options, rates, floor plans, etc., is available online at http://www.housing.ucf.edu.

LEAD Scholars Academy (LSA)
Director: Stacey Malaret
FC 165; 407-823-2223 http://lsa.sdes.ucf.edu

The mission of the LEAD Scholars Academy is to establish an environment that will provide comprehensive leadership education, development, and civic engagement opportunities for the UCF community. Through collaboration and partnerships, the LSA incorporates employees, leaders, and leadership models to create professional, academic, and experiential opportunities that challenge, empower, and educate students to become social change agents and encourages citizenship in a global society.

The primary vision for the area is the development of an intentional and comprehensive program that targets specific groups, as well as provides campus-wide opportunities for students regardless of their class standing and/or level of involvement experience. Leadership programs will vary in duration from an extended program that may last several weeks or years to a one-day workshop. The focus is to provide a variety of programmatic options that recognize students have different needs, time constraints, and levels of interest.

The LSA academic program provides academic, service and experiential opportunities for students that combine in and out of classroom challenges in both an academic and co-curricular environment. The application process for this academic program is open to all first time college students prior to the beginning of their UCF career. Those accepted into the academic program have achieved student success.

All UCF students may participate in the LSA through various experiential tracks including campus engagement, civic engagement, women’s leadership, multicultural leadership, undergraduate research, the virtual leadership academy, study abroad and the Clinton Global Initiative University program.

Additional programs are developed throughout the year to provide leadership enhancement and empowerment opportunities for UCF students. Through programming, networking, mentoring, personal development or experiential training, UCF students learn the skills needed to hold various leadership positions on campus and within their chosen career.

Multicultural Academic and Support Services (MASS)
Director: Wayne Jackson
SU 154; 407-823-2716 http://mass.sdes.ucf.edu

The Office of Multicultural Academic and Support Services provides comprehensive academic support, cultural enrichment, consultation, and referral services that promote the retention and graduation of multicultural and First Generation college students. MASS offers personalized advising and support; monitors academic progress; sponsors multicultural summer programs; Seizing Opportunities for Achievement and Retention (SOAR); coordinates the Brother to Brother, Knight Alliance Network (for Foster Care alumni) and Multicultural Transfer Students Programs. MASS serves as the focal point of operations in addressing the specific needs, issues, and concerns that confront multicultural and First Generation college students at UCF.

Neighborhood Relations and Safety Education (NRSE)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range

While Neighborhood Relations and Safety Education is charged with assisting and providing information and resources for students, faculty, and staff with their search for off-campus housing accommodations, the first mission, however, is to support and promote on campus housing for students. The NRSE office also has contact with and communicates to local off-campus apartment communities regarding student housing opportunities. This office also offers unbiased information and instructions for students wishing to sublease their off-campus apartment; and offers “moving off-campus” consultations and information about local services, i.e. transportation, furniture rental information, dry cleaning, shopping, and utilities.

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on-campus programs,
Division of Student Development And Enrollment Services

events, activities, and services. This office fosters a supportive and developmental environment for off-campus students by providing advocacy for resolving problems, “on the spot” or through campus referral and by exploring other available resources. Moreover, NRSE also works in the local neighborhoods, adjacent communities, and nearby subdivisions with the HOAs, local police officers, community leaders, residents, and students to create, build, and enhance good neighborhood relations and effective civic engagement and responsibility. Finally, NRSE provides alerts, awareness, and education to students and staff in an effort to prevent, protect, respond, and recover from safety and security challenges off campus.

Office of Student Involvement (OSI)
Interim Director: Shane Juntunen
SU 208; 407-823-6471
Email: osi@ucf.edu
http://osi.ucf.edu

The mission of the Office of Student Involvement is to provide quality programs, services, and leadership opportunities that enrich students’ academic endeavors and enhance the campus environment. Students and staff collaborate to develop programs and services which encourage student’s personal growth, promote civic responsibility, embrace differences, and connect students to the campus and the community.

To fulfill our mission, OSI’s staff members oversee the registration and management of more than 600 registered student organizations (RSOs), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Graduate Outreach (GO) Homecoming, Knight-Thon, Knights of the RoundTable (KoRT), Late Knights, OSI Podcasts, Regional Outreach Services (ROS), Student Government Association, Volunteer UCF (VUCF), and Knights of the Turntables, OSI’s DJ service. OSI wishes to support all members of our UCF community and encourages any person in need of an accommodation to participate in our programs or services to email us at osi@ucf.edu. OSI is funded by SGA.

Office of Student Rights and Responsibilities (OSRR)
Executive Director, Assistant Dean of Students, Deputy Title IX Coordinator: Dana Juntunen
Ferrell Commons, Building 7G, Suite 227; 407-823-4638

The Office of Student Rights and Responsibilities promotes a campus climate of integrity, civility, accountability and student well-being by providing a wide array of resources, education, and support services for the university community. OSRR is comprised of: Student Conduct, Integrity and Ethical Development and Student Care Services. OSRR also oversees the Golden Rule Student Handbook, The UCF Creed and Title IX reports perpetrated by a student on a student.

Office of Integrity and Ethical Development (IED)
Director: Jennifer Wright
Ferrell Commons, Building 7F, Suite 142; 407-823-3477
http://ied.sdes.ucf.edu

The Office of Integrity and Ethical Development specializes in the promotion of individual responsibility and personal development. Programs are designed to develop awareness toward integrity, ethical decision-making, conflict resolution, and supportive communication. Services include mediation, coaching sessions, and outreach workshops. These services are designed to provide students (undergraduate and graduate) with the college life skills necessary for academic and personal success at UCF.

Office of Student Conduct (OSC)
Director: Michael Gilmer
Ferrell Commons, Building 7G, Suite 227; 407-823-4638
http://osc.sdes.ucf.edu

The Office of Student Conduct handles complaints against UCF students and student groups (but not faculty or staff). The complaint must indicate a possible violation of one or more of the Rules of Conduct or Conduct Regulations of Student Organizations located in the Golden Rule Student Handbook. Copies of the Golden Rule Student Handbook may be obtained at the office or can be viewed on the Internet at: http://goldenrule.sdes.ucf.edu

Student Care Services (SCS)
Assistant Director: Ann Marie Palmer
Ferrell Commons, Building 7F, Suite 142; 407-823-5607
http://scs.sdes.ucf.edu; http://cares.sdes.ucf.edu

Student Care Services offers guidance, resources, and referrals to UCF students who are experiencing a distressing situation which significantly impacts academic or personal success. The SCS team coordinates referrals to campus and community resources, develops action plans for student success, oversees the Student of Concern program, and provides education and outreach to university and community members. Our goal is to intervene before a student reaches crisis level and ensure the safety of both the student and the UCF community. SCS also oversees UCF Cares, an umbrella of care-related programs, resources and staff dedicated to fostering a caring community of Knights.

Recreation and Wellness Center (RWC)
Executive Director: James Wilkening
RWC: 407-823-2408
http://rwc.sdes.ucf.edu

The Recreation and Wellness Center supports and strengthens the mission of the UCF. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The RWC is designed to enrich campus life and advance the university’s educational mission. Benefits of participation include the application of leadership, decision-making, problem solving, conflict management, communication and social skills. We strive to provide the safest, cleanest, highest quality, most dependable and enjoyable services. The RWC aspires to create a campus environment in which we celebrate the differences we share across the spectrum of human diversity. The RWC strives to set and stay ahead of the national standards for university recreational programs and facilities by offering unique and innovative student development and leadership opportunities, while seeking to be inclusive and adaptable to the needs of all UCF students.

The RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness (which includes Adaptive and Inclusive Recreation and Student Assisted Workout for students with disabilities), Intramural Sports, Outdoor Adventure and Sport Clubs. The RWC also includes outdoor facilities: tennis courts, sand volleyball courts, a lap and leisure pool, the RWC Park (turf and grass fields and a softball/baseball field), the Challenge Course, a disc course and the Lake Claire Outdoor Recreation Area. The indoor facilities include the main building and RWC @ Knights Plaza. The RWC facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association.

Wellness and Health Promotion Services (WHPS)
Director: Maureen Hawkins
Recreation and Wellness Center Building, Suite 111; 407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services aims to assist every UCF student in being a “Healthy Knight” and coordinates the campus Healthy Knights 2020 initiative. WHPS recognizes the role of lifestyle in fostering wellness and academic success, by offering a wide range of health promotion and risk reduction services on topics including: sexual wellness, nutrition, stress management, sleep hygiene, body acceptance, smoking cessation, and healthy relationships. A variety of programs are provided by health professionals including screening and education, along with HIV testing and counseling, wellness coaching and biofeedback assisted relaxation training. Trained Peer Health Advocates help promote healthy behaviors both by staffing Health Huts around campus and by facilitating interactive workshops.

Registrar’s Office (RO)
University Registrar and Executive Director: Brian C. Boyd
MH 161; 407-823-3100, HelpLine: 407-823-3533
Email: registrar@ucf.edu
http://registrar.sdes.ucf.edu

The Registrar’s Office, with a commitment to quality service and leading edge technology, provides timely and accurate enrollment information and access for students, colleges and departments, effectively meets student administrative needs, ensures complete records management from registration through graduation and archived data stores. The office maintains the integrity of student permanent academic records and implements procedures in accordance to university policies through campus-wide communication, collaboration, and leadership. In addition, the RO is responsible for management of eligibility verification of classroom resources, readmission, transfer student admission, residency redclassifications, student veteran services, NCAA Division I initial and continuing eligibility, the Knights Graduation Grant Initiative, Commencement, and publication of course offerings. Commencement programs, the Undergraduate Advising Guide, and the online Undergraduate Catalog.
SDES TRiO Center
Director: Rebekah McCloud
HPH 208; 407-823-4165
http://trio.sdes.ucf.edu

PRIME STEM
PRIME STEM/Student Support Services is a federally-funded TRiO program (U.S. Department of Education). The program supports college students pursuing STEM (Science, Technology, Engineering and Mathematics) and Health Sciences majors who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist PRIME STEM scholars to successfully complete a STEM or Health Sciences degree. As an advocate for access to higher education, PRIME STEM/Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Project BEST
Project BEST/Student Support Services is a federally-funded TRiO program (U.S. Department of Education). The program supports college students who are first-generation, low income, and/or have a documented disability. The project offers academic support services and resources to assist Student Support Services scholars to successfully complete an undergraduate degree. As an advocate for access to higher education, Student Support Services is committed to providing the support necessary to empower participants in developing and achieving academic goals.

Social Justice and Advocacy (SJA)
Director: Edwanna Andrews
SU 207; 407-823-0401
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

Social Justice and Advocacy is responsible for providing oversight to the Multicultural Student Center and LGBTQ+ Services. The mission of SJA is to promote an equitable campus environment where all are assured that diversity, in its many forms, is valued. We will support efforts to increase equal access to campus resources and opportunities, while cultivating inclusiveness to the least advantaged members of the campus community. SJA will advocate to decrease obstacles that prevent students from succeeding at UCF. SJA, MSC and LGBTQ+ Services provides programming and initiatives to advocate for a socially just campus community.

Student Academic Resource Center (SARC)
Director: Rebecca Piety
HPH 113; 407-823-5130
Email: sarc@ucf.edu
http://sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction (SI), peer tutoring, learning skills consultations, and academic success workshops. The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter. Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses. Learning skills specialists are also available for students who need college-level study skills advice or those who wish to enhance their educational experience. Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting, and classroom etiquette. SARC also offers study skills assessments and online resources to help students become successful at the college level.
The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, state, and national standardized test center. Institutional and state tests include Accuplacer; Critical Thinking Test; Distance Learning/Correspondence Exams; Florida Teacher Certification Examinations (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; RN Predictor, and Test of Essential Academic Skills (TEAS).

UTC administers the following national standardized examinations:
- College Level Examination Program (CLEP).
- Graduate Record Examinations (GRE) – General Test and Subject Areas.
- Law School Admissions Test (LSAT).
- Medical College Admission Test (MCAT).
- Test of English as a Foreign Language (TOEFL iBT).

Accommodations for students with disabilities are made available in coordination with the Office of Student Accessibility Services.

Student Accessibility Services (SAS)
Executive Director: Adam Meyer
FC 165; 407-823-2371
Email: sas@ucf.edu
http://sas.sdes.ucf.edu

The Office of Student Accessibility Services facilitates campus access and reasonable accommodations for students with disabilities. Such accommodations may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services. Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, or other disabilities. After admission to the university, students who want to explore reasonable academic accommodations should connect with SAS. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation. The most up-to-date initial contact procedures can be found at http://sas.sdes.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

Inclusive Education Services (IES)
Location FC 155; 407-823-2371
Email: ies@sdes.ucf.edu
http://ies.sdes.ucf.edu/

The Office of Inclusive Education Services provides an innovative and distinctive post-secondary educational experience to individuals with intellectual disabilities. The office facilitates meaningful immersive UCF community experiences for college students with intellectual disabilities via diverse academic, professional, personal, and social opportunities with the goal of advancing employability, independence and life satisfaction. Students admitted to UCF through this initiative will enroll as non-matriculated students.

Student Financial Assistance (SFA)
Director: Alicia Keaton
MH 120; 407-823-2827
http://finaid.ucf.edu

The Office of Student Financial Assistance is dedicated to supporting UCF’s mission and goals through the efficient delivery of student aid. The office provides UCF students with a comprehensive offering of financial assistance options to support student success and the attainment of a university degree. Financial aid counseling is available on a walk-in basis. To protect the privacy of student records, SFA offers limited counseling services through phone and email.

Student Government Association (SGA)
Advisor: Matthew Betz
SU 214; 407-823-2191
http://www.ucfsga.com

The Student Government Association’s purpose is to represent students’ interests on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, SGA also provides numerous services that affect student life. These services include free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Nights, Multicultural Student Center, Knight-Thon, Knights of the RoundTable, and much more. Money allocated by SGA for these services comes from Activity and Service Fees that students pay during registration. Additionally, registered student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels. SGA’s structure is modeled closely after the United States federal government system in that it contains three branches: Executive, Legislative, and Judicial. The Executive branch, comprised of the Student Body president, vice president, and cabinet, and oversees the daily administrative operation of SGA. The Legislative branch funds the registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights issues. All students are encouraged to take an active role in SGA. For information about how to become involved with SGA, or how your student organization can receive funding, contact the SGA office.

Student Health Services (SHS)
Executive Director: Michael Deichen, M.D., M.P.H
Student Health Services Building, Suite 309; 407-823-2701
http://www.studenthealth.ucf.edu

Student Health Services is accredited by the Accreditation Association for Ambulatory Health Care. The mission of SHS is to provide excellent healthcare that delivers value and promotes lifelong well-being to the UCF community.

SHS provides care at four convenient locations: the main campus Health Center; Knights Plaza at the north end of campus; the College of Medicine; Rosen College of Hospitality Management. SHS is staffed by board-certified physicians, dentists, pharmacists, advanced registered nurse practitioners, physician assistants, registered nurses, licensed practical nurses, certified medical assistants and a full complement of other medical support personnel who provide laboratory and radiology services.

SHS insurance office staff will assist students with filing insurance claims. As of March 2015, SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This enables patients to use SHS providers for their primary care needs and realize cost savings through covered services. SHS will bill any insurance company as a courtesy to patients as they may be eligible for out-of-network benefits.

SHS endorses several optional health and accident insurance plans for students. Please visit our website for additional information regarding these plans. The optional plans are separate from the health fee students are required to pay each semester. However, when purchased, the insurance may cover most of the charges incurred at SHS and also provides benefits for services that are beyond the scope of the campus SHS program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the SHS are the responsibility of the student, including transport by ambulance.

The SHS Dental Center, housed within the main Health Center, provides preventive, restorative and cosmetic dental services by appointment at 407-923-1835. Prices are discounted for students. The Dental Center accepts dental insurance (PPO) plans and payment plans are available for various treatment plan options.

SHS also oversees an Alcohol and Other Drugs (AOD) program. The program is licensed by the State of Florida to provide substance abuse prevention education, intervention, and outpatient treatment services. Campus outreach, substance abuse treatment and recovery services are available to UCF students.
Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our principal pharmacy is located in the main Health Services Building and a satellite pharmacy is located within the Health Pantry Clinic at Knights Plaza. The pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have insurance coverage.

When SHS is closed, students may obtain information and help from the SHS telephone message at 407-823-2701 or its website that provides access to a 24-hour Nurse Line and FreeMD (the web-based internet system to help students make decisions about health needs). If the situation is urgent, students should call 911 or access one of the hospitals or walk-in clinics identified via http://www.studenthealth.ucf.edu

Student Legal Services (SLS)
Director and Associate General Counsel: Patricia Dullaghan
FC 142; 407-823-2538
http://sls.sdes.ucf.edu

Student Legal Services provides students with advice and consultation, including court representation, in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expunging of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees; including those attending the regional campuses, Rosen College, and the College of Medicine. Students in need of legal services should contact the SLS office to schedule an appointment.

Student Outreach Services (SOS)
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Blvdg. 600, Suite 215, Orlando 32826; 407-823-2580
http://www.reachout.ucf.edu

The primary mission of the Office of Student Outreach Services is to attract, motivate, and prepare underrepresented middle and high school students from the local area to pursue and complete a college education. Students and their families are offered a variety of opportunities and programs designed to assist in the navigation of the college admissions, financial assistance, and career preparation processes.

Student Union (SU)
Director: Rick Falco
SU 312; 407-823-3677
http://www.uwfsu.edu

The Student Union is the Heart of Campus and provides the campus community with a variety of meeting rooms, offices, programs, and services. The Union is home to a great variety of restaurants including Joffrey’s Coffee, Greens Salad Bar, Smoothie King, Subway, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s Famous, Asian Chao, Huey Magoos, Corner Cafe and Topper’s Creamery. Retail stores include Knighstop Convenience Store and College Optical. Other services located in the Union include the SGA Ticket Office, SGA Computer and Express Labs, ATMs from SunTrust, Bank of America, Chase Bank, and CFE Federal Credit Union.

Transfer and Transition Services (TTS)
Director: Jason Dodge
HPH 221; 407-823-2231
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at UCF. The office provides the following resources and services:

- General advising and referral for transfer students before and after they enroll at UCF.
- Referral to DirectConnect advisors at partnering colleges: Eastern Florida State College, Lake-Sumter State College, Seminole State College, Valencia College; College of Central Florida, and Daytona State College.
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors.
- Current information about university programs and policies including entrance and exit requirements.
- Advocacy and assistance in resolving transfer issues.
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors.
- Connections to the campus community with: Peer Mentors, transfer clubs and organizations including Tau Sigma and Transfer Knights Club, and TTS sponsored events.

Undergraduate Admissions (UA)
Associate Vice President: Gordon Chavis, Jr.
Duke Energy UCF Welcome Center; 407-823-3000
Email: admission@ucf.edu
http://www.admissions.ucf.edu/

The Office of Undergraduate Admissions coordinates the admission and enrollment of all undergraduate first-time-in-college, transfer, non-degree, and non-Florida public institution transient students to UCF.

- The office’s primary mission is to identify, recruit and enroll talented, diverse and academically qualified students who will contribute to and achieve growth and success at the UCF.
- Office hours are: Mondays and Thursdays, 9 a.m.-6 p.m., Tuesdays, Wednesdays, and Fridays, 9 a.m.-5 p.m.

Veterans Academic Resource Center (VARC)
Director: Paul Viau
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@ucf.edu
http://varc.sdes.ucf.edu/

The Veterans Academic Resource Center recognizes and supports student veterans as they transition from military to student life. The VARC, a unit of the Registrar’s Office, is a collaboration among the offices of Career Services, Counseling and Psychological Services, Student Academic Resource Center, Student Accessibility Services, and Transfer and Transition Services, and provides the home for Veteran Services.

Located at UCF Knights Plaza/CFE Arena, across from Barnes & Noble@UCF, the VARC is open 9 a.m.-5 p.m., Mondays through Fridays, and provides study, tutor, and a lounge area for student veterans, as well as programs and events designed specifically for student veterans’ needs.

Veteran Services
Assistant University Registrar: Bethany Glassbrenner
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@mail.ucf.edu
http://www.veterans.ucf.edu/benefits

Veteran Services serves all veteran students and eligible dependents who are using VA educational benefits to further their education. The office provides information concerning entitlements, filing claims to the Department of Veterans Affairs (DVA), certifying enrollment at the university, and deferring tuition and fees payments. Veterans and eligible dependents must be certified through Veteran Services each term to receive VA educational benefits. All veterans and eligible dependents are urged to consult Veteran Services early in the UCF admissions process for information about Veteran Services.

To maintain eligibility for VA education benefits, students must adhere to the policies and procedures for VA educational benefits as noted on the GI Bill website (http://www.benefits.va.gov/gibill/).

UCF, being a member of SOC (Service Members Opportunity College), provides credit for various military training and education. Credit is awarded for regionally accredited schools and courses only. Transfer credit is awarded per the recommendations of the American Council on Education (ACE) Guide, based upon courses and/or training listed on the DD Form 214, SMARTS, ARTS, or other official military record. U.S. Air Force veterans must coordinate with the Community College of the Air Force to provide official CCAF transcripts to the Office of Undergraduate Admissions.

Students eligible for VA educational benefits may also be eligible for VA’s enrollment of tuition and fees. The VA Defe rent due date contained in the “Academic Calendar” (http://calendar.ucf.edu/). Students eligible for financial aid adequate to cover tuition and fees are not eligible for this deferment.
For fall and spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on their VA Chapter. Check Veterans Services website for summer term course load and other FAQs.

Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Individuals placed on academic probation must raise their grades to a UCF GPA of 2.0 or above and be removed from probation within the next two semesters to continue to receive benefits. Accordingly, benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the university. If reinstated by the university following disqualification or suspension, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

UCF is designated as a VA “Yellow Ribbon” institution to help defray the out-of-state tuition. Out-of-state student veterans and dependents may apply for “Yellow Ribbon” program eligibility when certifying their GI Bill education benefits. Please go to: http://varc.sdes.ucf.edu/docs/ucfyellowribbonprogram_rules.pdf for more information.

The C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.
Transfer and Transition Services
Director: Jason Dodge
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement.

Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the "Articulated A.S. Programs" chapter of this Undergraduate Catalog. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

Where Can I Go For Help?
For information or assistance during the transfer process, you may contact Transfer and Transition Services, located in Howard Phillips Hall, room 221. Call the Student HOTLINE at 407-823-5959 for immediate access to staff during regular business hours. Visit the website at http://transfer.sdes.ucf.edu.

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General academic advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
  - Student information and advising HOTLINE 407-823-5959
  - Website for transfer students (http://transfer.sdes.ucf.edu)
  - Transfer Knights social club; Tau Sigma Transfer Honor Society
  - Orientation advising and assistance

How Can a Florida College System Institution Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements for admission to UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

DirectConnect to UCF provides A.A. and A.S. students and alumni of College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- All grade forgiveness awarded under the A.A. will be honored.

Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities.

If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF's general education requirements, which may be considerably different from your previous institution's requirements. If you have met all the A.A. requirements, you should have "General Education Requirements Met" placed on your transcript to assure getting credit for meeting General Education and Gordon Rule requirements. Without this statement you must satisfy UCF's general education requirements and Gordon Rule courses. If your grade point average falls below a 2.0 (without grade forgiveness), you will not be admitted.

What Are the Foreign Language Requirements?
Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or at the post-secondary elementary 2 level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

Graduation Requirement: Some baccalaureate degrees require students to demonstrate foreign language proficiency as a graduation requirement; this requirement may be satisfied by college-level course work or testing equivalent to two semesters of college instruction. Some majors require additional proficiency; some departments accept American Sign Language to meet the proficiency. Consult the UCF Undergraduate Catalog for graduation requirements for specific majors. High school courses will not satisfy graduation foreign language requirements. International students required to prove TOEFL scores for admission are considered to have satisfied the graduation requirement.

How Will My Credits Transfer?
All college level credits earned for which official transcripts have been submitted will be compiled into a Transfer Summary Report (TSR), which is available online after your admission to UCF. The TSR is the basis for constructing a degree audit, which applies earned credits toward your intended degree program. The audit provides you with an assessment of which degree requirements have been met and which remain to be satisfied. You will use the audit to schedule courses that meet your remaining requirements.

Common Program Prerequisites: To view generic course substitutions for Common Program Prerequisites that may be offered at the Florida College System institutions or other state universities, please go to the Florida Virtual Campus website at https://www.floridashines.org. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

Some credits listed on the TSR may not be applicable toward graduation course requirements; e.g., some departments do not accept a transfer grade of “D” (1.0). You should review the TSR carefully to ensure that all credits are included. Courses not automatically credited to your degree program must be evaluated on a course by course basis. General education courses are evaluated through Academic Services; all other courses are evaluated by the academic department offering the courses.

You must make sure that all official college transcripts, including a final transcript from the last institution you attended, are submitted to the Undergraduate Admissions Office within ten days of the start of your first term at UCF. If Admissions does not receive them, a hold is placed on your record, making it difficult for you to receive financial aid or to register for a future term.

When Do I Pay My Bill?
For students taking courses at UCF for the first time, tuition and fee payments are due by the published deadline. Students can print a copy of their Fee Invoice online from myUCF (https://my.ucf.edu). A late payment fee of $100 will be assessed on all accounts not paid or deferred by each term's payment deadline. Please note that you will not be sent a bill. It is up to you to view your Fee Invoice through myUCF. If you decide not to attend, but have registered for classes, be sure to drop all classes, or you will be fee liable.

Financial Aid deferments will automatically be reflected on your Fee Invoice. If the total amount of your tuition and fees exceeds the amount of your deferment, the difference must be paid by the due date on your Fee Invoice. The following programs are not included in the automatic deferral program: work/study programs, third party deferments, other waivers, and direct pay scholarships.
Can Transfer Students Participate in The Burnett Honors College?

Qualified students who transfer to UCF with an honors A.A. from a Florida College System institution that has signed an articulation agreement with The Burnett Honors College will be admitted into University Honors with junior standing. Florida College System institution transfers and other students who have completed their general education requirements may participate in the Honors in the Major program through the completion of departmental honors requirements, including an original research project. Transfer students who apply for admission to departmental honors programs must have a minimum GPA of 3.5 in their major. Successful completion of either honors program will be noted on your transcripts and diploma. For more information, call 407-823-2076 or visit the honors website at http://honors.ucf.edu.

Transfer and Transition Services

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday through Friday, 8:00 a.m. to 5:00 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for aid available, your financial aid file should be complete by March 1.

Transfer Checklist

Before Completing the A.A. or Articulated A.S.

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>met with a DirectConnect advisor</td>
<td>met with counselor or advisor for graduation check</td>
</tr>
<tr>
<td>completed application for graduation</td>
<td></td>
</tr>
</tbody>
</table>

Application for Admission

<table>
<thead>
<tr>
<th>/</th>
<th>/</th>
</tr>
</thead>
<tbody>
<tr>
<td>date submitted</td>
<td></td>
</tr>
<tr>
<td>checked admission status at <a href="https://my.UCF.edu">https://my.UCF.edu</a></td>
<td></td>
</tr>
<tr>
<td>date of acceptance</td>
<td></td>
</tr>
</tbody>
</table>

Transcripts

( original transcript from all institutions attended )

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>transcripts sent from all current and prior institutions</td>
<td></td>
</tr>
<tr>
<td>Final transcript sent after term completed</td>
<td></td>
</tr>
</tbody>
</table>

Financial Aid/Scholarship

<table>
<thead>
<tr>
<th>/</th>
<th>/</th>
</tr>
</thead>
<tbody>
<tr>
<td>date financial aid application (FAFSA) sent</td>
<td></td>
</tr>
<tr>
<td>date SCHOLARSHIP application sent</td>
<td></td>
</tr>
<tr>
<td>“to do” list checked on myUCF</td>
<td></td>
</tr>
</tbody>
</table>

Housing

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td></td>
</tr>
<tr>
<td>date application sent (include deposit when required)</td>
<td></td>
</tr>
</tbody>
</table>

Immunization

<table>
<thead>
<tr>
<th>/</th>
<th>/</th>
</tr>
</thead>
<tbody>
<tr>
<td>date Student Health Form submitted</td>
<td></td>
</tr>
<tr>
<td>need immunizations</td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements (Admission)

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 years/units earned in high school</td>
<td></td>
</tr>
<tr>
<td>Elementary level 2 earned in college</td>
<td></td>
</tr>
<tr>
<td>credits to be taken at the university</td>
<td></td>
</tr>
</tbody>
</table>

Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.

Program (Major) Requirements

<table>
<thead>
<tr>
<th>Y</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>selected a major</td>
<td></td>
</tr>
<tr>
<td>completed major prerequisites</td>
<td></td>
</tr>
<tr>
<td>submitted limited access application</td>
<td></td>
</tr>
<tr>
<td>met grade point average (GPA) requirements</td>
<td></td>
</tr>
<tr>
<td>met cumulative GPA for admission to program of study</td>
<td></td>
</tr>
<tr>
<td>met cumulative GPA in courses taken for program of study</td>
<td></td>
</tr>
<tr>
<td>met grade requirements for designated courses</td>
<td></td>
</tr>
<tr>
<td>met audition/portfolio/additional admission requirements</td>
<td></td>
</tr>
</tbody>
</table>

Orientation:

<table>
<thead>
<tr>
<th>/</th>
<th>/</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation date at UCF</td>
<td></td>
</tr>
</tbody>
</table>
Responsibilities

Academic advising is a process that assists students in the clarification of life goals and the translation of these goals into educational plans. It provides assistance to students as they explore educational opportunities and develop educational plans and objectives. Academic advising connects students with the University by bringing meaning to its mission, its curriculum and to the learning environment that is the University community. Academic advising is committed to assisting and supporting students with developing their educational, career and life goals. It provides access to campus resources, and coordinates the integration of all aspects of student life into learning experiences. It is an individualized avenue of communication that assists students in the planning and decision-making process.

Although academic advisors provide assistance, it is the student’s responsibility to know the university policies, procedures, requirements, and seek out assistance when needed. There are a variety of academic advising systems available at UCF in each of the colleges, schools, and the Division of Student Development and Enrollment Services.

Freshman (First Time in College - FTIC)

Every incoming freshman is assigned a professional first year academic advisor in one of the five offices listed below. These advisors also collaborate with the University’s Colleges and Schools, and link students to advisors in various academic programs. The assignment of a first year advising office will be based on the specialized services of each program and the student’s particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Academic advising is one of the most important services provided at UCF and can impact a student’s successful progression to graduation.

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, COMPASS, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

The Burnett Honors College

New students will:
Attend the UCF Orientation designated for The Burnett Honors College. At this time students meet with Honors staff and learn about The Burnett Honors College courses and GPA requirements, and register for Honors and non-Honors classes.

Continuing students will:
1. Contact the department of their major and meet with their advisor in the department during the first two months of any semester to review progress and plan a program of study;
2. Meet with their advisor in the department of their major prior to registration;
3. Contact the Office of Honors Advising (BHC 109) and based on the recommendation from their academic advisor and the requirements for University Honors, an Honors Advisor will assist with Honors course selection;
4. Continue to register for classes online;
5. Check their “Fee Invoices/Schedule” to ensure accuracy of class schedule; and,
6. Attend any mandatory Honors advising appointments.
College of Arts and Humanities

Majors within the College of Arts and Humanities should meet with their major/minor advisor concerning major/minor requirements and with an advisor in CAHSA regarding all other inquiries. CAHSA is located in Colbourn Hall (CNH) room 201 and advisors can be reached via email at cahsa@ucf.edu or in person by visiting CAHSA during regular business hours. Students can also access CAHSA’s website at http://www.cahsa.cah.ucf.edu.

New students will:

1. Meet with a CAHSA advisor in a group setting during Orientation to discuss college policies and procedures;
2. Meet with a major advisor to discuss major requirements, career opportunities, and plan a class schedule;
3. Register for classes at a central location; and,
4. Check their “Fee Invoices” to ensure accuracy of their class schedule.
5. Create and regularly check their Knights Email account.

Continuing students will:

1. Meet with their major and/or minor advisor in the department to review academic progress and plan a program of study for subsequent semesters. Review this plan each term with their major/minor advisor and prior to registration;
2. Access their Degree Audit at least every term and understand all degree requirements;
3. Refer any questions pertaining to university credit hour requirements, degree audits, academic standing and college/university policies and procedures to CAHSA. All questions pertaining to major/minor requirements should be directed to the department advisor in the major/minor program; and,
4. Meet with their major/minor advisor to conduct a graduation review of major/minor requirements in the semester prior to the intended semester of graduation. After seeing the major/minor advisor and in the semester prior to the term of graduation, eligible students will receive an email from CAHSA indicating how to file their “Intent to Graduate” forms and in order to conduct a graduation review, please refer to the academic calendar for the deadline to file your Intent to Graduate.
5. Regularly check their Knights Email account.

Graduating students will:

1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Complete a webcourse after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights Email account and degree audit.

College of Business Administration

The College of Business Administration (CBA) strives to provide its students with the highest quality academic advising and career coaching. The Office of Professional Development (OPD) partners with departmental faculty advisors to assist prospective and current business majors develop an educational plan that meets their career goals.

New students will:

1. Be classified as “pre-major” until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
2. Meet college-advising representatives in a group setting during Orientation to discuss admission to the major requirements, college policy, procedures, expectations, and degree programs;
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit;
4. Submit all request to evaluate transfer courses for equivalency to UCF courses during their first term of enrollment at UCF. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College;
5. Meet with a Career Coach in the OPD (BA2, Room 101), to understand the career options of their major; and,
6. Be advised in the OPD if the major is “Pre Business” and the student is classified as at least Sophomore standing.

Continuing students will:

1. Meet with a member of the OPD Advising Team to review academic progress and develop or update an academic plan. Degree requirements and course prerequisites should be reviewed prior to registration each term;
2. Meet with their Career Coach as directed by activities in the college’s Career Professionalism curriculum;
3. Register for courses in myUCF at their scheduled appointment time. All changes to the student’s class schedule must be completed by the end of the drop/swap and add periods;
4. Be classified as ‘pre-major’ until admission to the major requirements are met and a change of major request has been approved. ‘Pre-major’ students have enrollment access to CBA non-restricted classes and do not have enrollment access to CBA restricted classes;
5. Meet with a faculty advisor and/or member of the OPD Advising Team during the term prior to the anticipated graduation term as needed; and,
6. File the “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Students placed on ‘Lack of Progress’ due to Major and or College of Business Administration GPA concerns will:

1. Have a “hold” placed on their subsequent registration; and,
2. Meet with their assigned Career Coach to review the student’s academic situation and develop a plan of action.

College of Education and Human Performance

New students will:

1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance’s Undergraduate Advising Office (ED 110) if their major is Elementary Education or Education Pending. Academic advising sessions may be scheduled by calling 407-823-3723;
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear in myUCF to assist students in making an advising appointment; and
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:

1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising Office, if a “Pending” major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View their Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.
College of Engineering and Computer Science

New students will:
1. Meet with the Engineering and Computer Science Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Engineering and Computer Science (CECS) academic policies and procedures
   b. Plan an appropriate first term schedule; and,
2. Meet with a faculty advisor in the department of their major to:
   a. Understand the career options of the major
   b. Discuss degree program requirements; and,
3. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

Continuing students will:
1. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 345;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECS Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Participate in the college designated intervention plan if you have been placed on an engineering or computer science advisement hold. An intervention through the CECS Academic Affairs Office will be required each semester a student is on advisement hold; and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs

New students will:
Meet college advising representatives in a group setting during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study; and
3. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with COHPA Undergraduate Student Services advisors (HPA2, 115) during the first few weeks of each semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation;
2. View a Degree Audit through myUCF frequently to check progress toward course requirements; and
3. File the “Intent to Graduate Form” through myUCF and meet with an advisor in the COHPA Undergraduate Student Services office by the end of the term prior to the term in which graduation will occur.

College of Medicine
Burnett School of Biomedical Sciences

New students will:
Meet with the Burnett School of Biomedical Sciences (BSBS) Office of Student Services and Advisement (OSSA) advisors in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Be directed to an appropriate academic/faculty advisor for help with information and guidance for medical/health professional or graduate programs admission requirements; and
4. Plan an appropriate first semester class schedule.

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses;
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time.
6. Complete all schedule changes by the end of the published add period;
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
8. Pre-health professional students: See your OSSA and faculty and consult with the Office of Pre-Health and Pre-Law Advisement.

Pre-Health Professional Planning
Pre-professional advisement deals primarily with understanding the requirements for successful application and admission to health professional schools.

Admission to a health professional school is highly competitive. Pre-health professions students are expected to be high achievers, and to obtain good grades with heavy loads and rigorous course combinations.

Most professional schools expect applicants to present at least a “B” average and to carry a minimum of 15 credit hours each term, with the exception of Summer term.

Each student is urged to carefully select a degree-granting major in our program. This will not only allow one to become more competitive or admission, but also to prepare for an alternate career in the event admission to a professional school is denied. Any degree-granting program may be selected as a major for pre-health students; however, the biomedical science major meets all admission requirements for health professional schools including medicine, dentistry, veterinary, pharmacy, physician assistant, etc. Our BS programs provide our students with a solid background to excel in health professional school programs. All students seeking admission to health professional schools should enroll in SLS 2311. Overview of Selected Medical Careers, in their first year at UCF and seek additional guidance from Office of Pre-Health and Pre-Law Advisement.

Additionally, prudent use of elective hours in the curricula will permit other appropriate pre-health professions courses to be obtained to help prepare for specific admission exams.

All pre-health professions students are strongly encouraged to participate in the activities of one or more of the student health related organizations and become involved in community service and career shadowing.

Curricula Guidelines
All pre-health professions students are strongly encouraged to enroll in SLS 2311 (Overview of Select Medical Careers) the first semester they are enrolled. This course provides a broad exposure to the various four-year health professions. In addition, the entire pre-professional process (academic preparation, applications, admission tests, interviews, admissions, scholarships, etc.) is explained in depth.

All pre-health professions students should complete the following science courses (many of which are applicable to the GEP) to meet the variable requirements of the Florida medical schools:

- **General Biology** - BSC 2010, BSC 3403C*
- **General Chemistry** - CHM 2045C, 2046, 2048L
- **Organic Chemistry** - CHM 2210, 2211, 2211L
- **Biochemistry** - BCH 4053 or BCH 4024
- **Biochemistry/Molecular Lab** - BSC 3403C
- **Microbiology** - MCB 3020C
- **Calculus** - MAC 2233 (prefer MAC 2311, 2312)
- **Physics** - PHY 2053C, 2054C or PHY 2048, 2049

UNIVERSITY OF CENTRAL FLORIDA
Academic Advising

College of Sciences

Although students may have multiple advisors, College of Sciences majors must meet with an academic advisor within their major department and/or the staff of COSAS (College of Sciences - Advising Services, located in CSB 250) as soon as possible.

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, prerequisite enforcement process, etc.;
4. Check their “Fee Invoices” to ensure accuracy of their class schedules.

Continuing students will:
1. Contact the department of their major and meet with a faculty or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate;
3. Access the class schedule and myKnight Audit online at https://my.ucf.edu;
4. Resolve any HOLDs placed on their account preventing them from registering;
5. Check to be sure you are meeting all prerequisites/corequisites of courses you plan to take. COS enforces prerequisites/corequisites of COS courses through the registration system and notifies students not meeting prerequisites at the end of each term. If necessary, COSAS administratively drops students not meeting prerequisites for COS courses and may require proof of prerequisite completion to remain enrolled if prerequisite was taken somewhere other than UCF;
6. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
7. Refer to COSAS any questions pertaining to the myKnight Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the myKnight Audit should be directed to the department; and,
8. Check their “Fee Invoices” to ensure accuracy of their class schedules.

Students placed on probation due to low UCF GPA will:
1. Have a “HOLD” placed on their subsequent registration;
2. Be required to attend a COSAS workshop. A COSAS Student Success Workshop schedule is available each term at http://www.cos.ucf.edu/cosas/current-students-academic-probation/. Regional Campus students and distance learners should contact COSAS for alternatives to attending a workshop;
3. Design a plan of study with an advisor within the department of their major for the upcoming semester; and,
4. Bring the plan of study to a COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

Graduating students will do the following during the term PRIOR to the graduating term:
1. Review COS graduation instructions available at http://www.cos.ucf.edu/cosas (click on graduation button);
2. Complete the on-line graduation application on myUCF within the dates specified at http://calendar.ucf.edu;
3. Complete COS graduation form at http://www.cos.ucf.edu/cosas (click on graduation button); and,
4. Check your Knights Email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

UNIVERSITY OF CENTRAL FLORIDA
Academic Advising

College of Undergraduate Studies
Office of Interdisciplinary Studies
All students must make an appointment to meet with a member of the Interdisciplinary Studies Advising Team prior to declaring a major in Interdisciplinary Studies.

New students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team during Orientation to discuss policies and procedures, degree program requirements and tracks, and to plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team to officially declare a major and create an individual plan of study, including declaring a minor;
3. For IDS-General Studies and WST Track: Meet with an advisor in the department of the minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

Continuing students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team prior to registration and/or before the beginning of each term to review progress and selection of courses and address any questions pertaining to the program;
2. Access the class schedule and Degree Audit and register online during their scheduled appointment time at https://my.ucf.edu;
3. For IDS-General Studies and WST Track: Meet with an advisor in the department of their minor to review the minor’s program requirements;
4. File an “Intent to Graduate” online through myUCF by the appropriate deadline at the end of the term prior to the term in which graduation will occur; and,
5. Check their Fee Invoices to ensure accuracy of their class schedule.

Rosen College of Hospitality Management
New students will:
Meet college advising representatives in group settings during orientation to:
1. Discuss degree program policies and curriculum requirements;
2. Understand career options and major programs of study;
3. Plan an appropriate first semester class schedule; and,
4. Review and learn how to interpret a Degree Audit through myUCF.

Continuing students should:
1. See a Faculty Advisor for assistance with selecting a concentration of study;
2. View degree requirements according to catalog year and course prerequisites prior to schedule planning;
3. See a Program Advisor prior to registration to review degree requirements and to make sure you are on track for graduation;
4. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
5. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System
http://regionalcampuses.ucf.edu
UCF Regional Campuses provides a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services professionals are located at the following campuses: UCF Co-coa and Palm Bay. UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. These services are also extended to UCF Altamonte as needed for the College of Nursing program.

Prospective transfer students have the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF to discuss degree programs and requirements. UCF bound students at our partner institutions are encouraged to meet with a DirectConnect Coordinator or Transfer Advisor to assist with their academic plan and pathway. Once admitted to UCF, students must have a pre-advising session prior to the required Orientation.

Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see ‘UCF Regional Campuses’ within the ‘University of Central Florida’ section of the Undergraduate Catalog.

Orlando Campus students taking courses on a Regional Campus may receive supplemental advising, in partnership with the College of the major on the Orlando Campus, and other support services on the Regional Campus.

UCF Regional Campuses also administers all aspects of the Central Florida Higher Education Consortium comprised of UCF and its partner institutions through an agreement to strategically partner on creating seamless pathways for college access and success. Through collaboration, these institutions develop guaranteed pathways and systems to enhance college preparation, curriculum alignment, data sharing, academic and student services, enrollment services, resource development and regional economic and workforce need in Central Florida.
ACADEMIC REGULATIONS AND PROCEDURES

Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterm for the Fall semester. Spring and Fall Registrations begin following the midterms of the Spring semester. Class listings are available only online through the Class Schedule and Course Catalog Search at https://my.ucf.edu.
Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for the registration period are included in the “Academic Calendar” online at http://calendar.ucf.edu.

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:
(a) One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or the equivalent amount of work over a different amount of time; or
(b) At least an equivalent amount of work as required in paragraph (a) of this definition for academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

Undergraduate Enrollment Status

<table>
<thead>
<tr>
<th>Status</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time</td>
<td>12 or more</td>
</tr>
<tr>
<td>Three Quarter Time</td>
<td>9-11</td>
</tr>
<tr>
<td>Half Time</td>
<td>6-8</td>
</tr>
<tr>
<td>Less Than Half Time</td>
<td>less than 6</td>
</tr>
</tbody>
</table>

Note: Graduate and post-baccalaureate students please refer to the online Graduate Catalog for enrollment status policies.

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Summer term and to 17 credit hours for the Fall and Spring semesters. The department chair and college advising office must approve overloads. Overloads may be processed at the college advising offices.

Excess Hours
Effective Fall 2009, pursuant to Florida Statute 1009.286, students entering a Florida College System institution or state university for the first time in Fall, 2009, and thereafter, may be subject to the excess hours surcharge for hours exceeding baccalaureate degree program completion requirements. Students should regularly review their degree audits and consult with an academic advisor to make sure they are completing courses. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.ucf.edu/excess-hours.

Students beginning Fall Semester 2009 through Summer 2011 will be charged 1.5 times the tuition rate for each credit hour beyond 120% of the required hours of that degree program. Students beginning Fall 2011 through Summer 2012 will be charged two times the tuition rate for each credit beyond 115% of the required hours of that degree program. Students beginning Fall 2012 and beyond will be charged two times the tuition rate for each credit beyond 110% of the required hours of the degree program.

Holds
A hold (negative service indicator) may be placed on a student’s records entering, transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of the hold is required before a release can be given. Students may check for holds on the myUCF system at https://my.ucf.edu under the Student Self Service link. To obtain a release for financial holds, pay the Cashier’s Office must be made either in cash, credit card, cashier’s check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the Academic Calendar). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/Swap period may be dropped the next business day in the Registrar’s Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the “Withdrawal Policy” of the Undergraduate Catalog. Please consult the Academic Calendar for Drop/Add and Withdrawal deadlines for the applicable term.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Audit Registration
Audit students are those who desire to attend class(es) without receiving academic credit. Regular tuition and fees are assessed for Audit registration. See the “Fee Schedule” in the “Financial Information” section of the Undergraduate Catalog. Audit registration is on a space-available basis at the prescribed time of registration, or at any time during Late Registration and Drop/Swap and Add when Late Registration fees will apply. Audit requests for students who register prior to this time will be denied. Students may not change to Audit status after Late Registration and Add, but must remain in the course or withdraw through normal withdrawal procedures. New students must be accepted for admission to be eligible to audit a course. Audit forms, available on the Registrar’s website (http://www.registrar.ucf.edu) and in the Registrar’s and college advising offices, must be signed by the instructor and presented to the Registrar’s Office at the time of registration.

UCF Math Placement Test
The University believes that appropriate placement of students into certain course sequences is important to help foster an environment of success. The University administers the UCF Math Placement Test to determine placement into the mathematics course sequence. Students who do not meet prerequisites for mathematics courses are required to take the UCF Math Placement Test, and are strongly recommended to complete the UCF Math Placement Test prior to attending Orientation. If the UCF Math Placement Test is not completed prior to Orientation, delays in registration for mathematics courses may result. The UCF Math Placement Test is for placement purposes only and does not award credit. More information about the UCF Math Placement Test is available at http://utc.sdes.ucf.edu/math/.

Senior Citizen Audit
Senior Citizens (60 years of age or older) who have been residents of the State of Florida for at least one year as of the first day of classes, may enroll tuition free as Audit students (i.e., no academic credit) on a space-available basis. Forms to be completed include the “Residency Affidavit,” the “Student Health History,” the “Senior Citizen Audit Application” and “Senior Citizen Audit Registration Form.” These forms are available in the Registrar’s Office (MH 161) or at the Registrar’s website: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the last hours of registration as noted in the “Academic Calendar” online at http://calendar.ucf.edu. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and parking permits.

State of Florida Employee and UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available only basis on the last day of Registration each term at the time specified on the “Academic Calendar” online at http://calendar.ucf.edu. For waiver eligibility and application information, please refer to the Student Account Services website at http://www.studentaccounts.ucf.edu/.

Limited Non-Degree Seeking Applicants
This classification allows a student to enroll in selected courses when the student may have no immediate intention of pursuing a degree program. Most opportunities in this status will occur away from the Orlando campus, for courses that are taught out of the regular semester or trimester cycle, or for special programs managed by the State of Florida. Successful completion of courses while in this classification does not provide a basis for regular admission at a later date.

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Continuing Education
- Off-campus credit
- Soldiers-to-Scholars
- Regional Campuses
- Teacher Certification
- or re-certification

UNIVERSITY OF CENTRAL FLORIDA
Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.

2. Students who have been previously denied admission or disqualified for enrollment are not eligible.

3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.

4. Registration is permitted on a space-available basis.

5. A maximum of 15 undergraduate credit hours or 6 graduate credit hours may be earned as a limited non-degree seeking student.

6. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and,

7. Students must complete a Limited Non-Degree Seeking Status Registration Form.

Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

State Tuition Exemption Program (STEP) (National Guard) Registration

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is on a space-available basis during the last hours of registration, as listed in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar. STEP students must present a “Certification” letter to Student Account Services (MH 109) to receive waiver of eligible fees. Registration before the time specified in the “Academic Calendar” online at http://www.registrar.ucf.edu/calendar will result in the student being assessed regular fees. The tuition fee waiver cannot be used for courses that require increased costs, including, but not limited to, courses offered through the Center for Continuing Education, independent study, supervised research, supervised teaching labs, thesis hours, dissertation, internships, co-ops, practicums, or applied, individualized instruction in music, art, or dance. Eligible members of the active Florida National Guard may receive a waiver of 50% of tuition and material and supply fees.

State University System (SUS) Florida Transient Students

An SUS Transient Student is a student in good standing who is seeking a degree from one of the other Florida public universities (SUS) and is enrolled in courses with UCF. Students must complete the “SUS Transient Application Form” which is available online at http://www.flvc.org. No application fee is required. The “SUS Transient Application Form” must be completed each term and should be completed online or delivered mailed to the Registrar’s Office (MH 161), by the deadline specified in the “Academic Calendar” online at http://calendar.ucf.edu. Students should visit the Registrar’s Office website at http://www.registrar.ucf.edu or contact the Registrar’s Office for registration information at 407-823-3100.

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.flvc.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the Office of the Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

UCF Students Attending a Non-SUS Institution

A UCF degree-seeking student desiring to earn credit at another institution will require prior approval for specific courses from the Dean of the College or Department Chair of his/her respective college or school. Transient approval of courses to be applied to the UCF General Education Program must be obtained in advance from Academic Services (MH 210). Credit earned without prior approval may not be accepted. Plus/minus grades will be transferred for course work earned Fall 2001 and after using UCF’s grade point system. Because of graduation certification, students may not take courses in transient status during the term in which they expect to graduate. Students seeking transient status must complete the “Transient Approval Form,” available from the college or school advising office or at http://www.flvc.org and must submit the completed, approved, and signed form to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 30 semester hour residency requirement for a baccalaureate degree, the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.

Enrollment and Degree Verifications

Students may obtain their enrollment verification online through myUCF at https://my.ucf.edu. Enrollment certification is free to currently enrolled students. Parents, employers, background checking firms, and other third party agencies may request enrollment and degree verifications online at https://www.exted.ucf.edu/registration. A fee will be assessed for all such requests. UCF has contracted with National Student Clearinghouse to provide current enrollment and degree verifications online 24 hours a day, seven days a week. National Student Clearinghouse Customer Service is available at 1-703-742-4200, Monday - Thursday, 9:00 a.m. - 7:00 p.m., & Friday, 9:00 a.m. - 5:00 p.m., ET.

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class and receive the notation of “W” until the deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the course(s) from which to be withdrawn and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. Students who withdraw from courses for an entire term with the intent of not returning to UCF must also drop courses for any future terms, or be fee and grade liable.

A student is not automatically dropped or withdrawn from a class for not attending, nor can an instructor drop or withdraw a student from a class.

Late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop/swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptional circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. If approved, a late drop includes a refund of tuition and fees, and the courses will not appear on the student’s academic records. Students must submit the completed petition and all supporting documentation for a late drop to Academic Services (MH 210) within six months of the end of the term for which the late drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal should contact the Office of Academic Services. If a late withdrawal is approved, grades of Withdrawal Passing (WP) or Withdrawal Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of “WF” will affect the calculation of the student’s Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition.
with all supporting documentation for a late withdrawal to Academic Services (MH 210) within one year of the end of the term for which the late withdrawal is sought.

**Medical Withdrawal:** Students who seek a withdrawal for medical reasons must apply for a medical withdrawal following the medical withdrawal procedure. Students seeking to petition for a medical withdrawal should contact the Office of Academic Services. A medical withdrawal is intended for a student whose own medical condition prevents them from completing the semester. All required forms must be submitted to initiate the review process. The student’s physician provides the University with the appropriate medical information using the forms provided by the Office of Academic Services. A medical withdrawal is usually for all classes in the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term. The medical condition should have arisen during the given semester and of serious duration and effect. If the student was aware of the medical condition prior to beginning of the semester, the student must provide medical documentation demonstrating that there was a change in the condition during the semester that resulted in the student’s inability to meet course requirements. Medical withdrawals for consecutive semesters are not approved. Medical withdrawal petitions for situations not meeting the conditions above must be extraordinarily well-documented. Students must submit the completed petition with all supporting documentation for a medical withdrawal to Academic Services (MH 210) within six months of the end of the term for which the medical withdrawal is sought.

If a medical withdrawal is approved, a refund of tuition and fees is also approved, and a grade of Medical Withdrawal (WM) will be recorded for each course. A “WM” grade will have no effect on the Grade Point Average. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee and grade liable. If a medical withdrawal is not approved, the request may be considered as a late withdrawal. If approved as a late withdrawal, grades of Withdrawal Passing (WP) or Withdrawal Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of “WF” will affect the calculation of the student’s Grade Point Average. There is no refund of tuition and fees if approved as a late withdrawal only. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses if the medical withdrawal petition is approved, because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

**Appeal:** Students whose academic record change petition has been denied have the right to appeal the decision to the Admission and Standards Committee. All documents supporting the appeal must be submitted within 30 days from the date of notification of the denial. The decision will be based upon new or missing evidence not previously presented. Simply disagreeing with the decision is not grounds for an appeal.

**Withdrawal and Academic Behavior Violations**

If a student withdraws from a course while an alleged academically dishonest act is under consideration, and the case is not subsequently resolved in favor of the student, the University reserves the right to assign the appropriate grade for the course.

Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the unit head who will notify the University Registrar that the student shall not be withdrawn from the course in question. Only a written release from the authorized party deciding a student appeal will permit withdrawal. However, if the student appeals the academic action and desires to withdraw from the course, the process shall be initiated by the student immediately in the normal University manner. Such withdrawal requests will be held in abeyance until a ruling on an appeal is obtained. If resolved in favor of the student, the withdrawal request will be processed at the time. The individual empowered to rule on the student appeal shall appropriately notify both the University Registrar and the Director of the Office of Student Rights and Responsibilities or designee of the outcome. For additional information regarding academic dishonesty, instructors may assign a Z in front of a final course grade on a student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see [http://z.ucf.edu/](http://z.ucf.edu/).

The designations of "N" will be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the instructor by the grade submission deadline. The designation will be replaced by the earned letter grade at the earliest opportunity in the term that immediately follows and prior to graduation. The "N" designator may not be assigned by the instructor.

In the event of academic dishonesty, instructors may assign a Z in front of a final course grade on a student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see [http://z.ucf.edu/](http://z.ucf.edu/).

The Grade Point Average (GPA) is the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of credit hours attempted, less hours resulting from NC, W, WP, and I grades. GPA is recalculated after each term; for Summer GPA is recalculated only after all Sessions and end of term. The GPA for graduation requirement is a minimum UCF 2.0 (“C”).

**Example:** A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:

- **Course #1**: B+ 3 credit hours X 3.25 grade points = 9.75
- **Course #2**: A- 3 credit hours X 3.75 grade points = 11.25
- **Course #3**: A 4 credit hours X 4.00 grade points = 16
- **Course #4**: B 3 credit hours X 3.00 grade points = 9

13 credit hours = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:

46.00 total grade points / 13 credit hours = 3.54 GPA for that term.

---

**Legend**

- **Legend**
- **Action**
- **Grade Points**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Action</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Repeated Course (Grade Forgiveness, multiple attempts)</td>
<td>-</td>
</tr>
<tr>
<td>A-</td>
<td>Repeated course (Latest Attempt)</td>
<td>-</td>
</tr>
<tr>
<td>B</td>
<td>No grade reported by instructor</td>
<td>-</td>
</tr>
<tr>
<td>B-</td>
<td>(followed by grade)</td>
<td>-</td>
</tr>
<tr>
<td>C</td>
<td>P</td>
<td>-</td>
</tr>
<tr>
<td>C-</td>
<td>R</td>
<td>-</td>
</tr>
<tr>
<td>D</td>
<td>S</td>
<td>-</td>
</tr>
<tr>
<td>D+</td>
<td>T</td>
<td>-</td>
</tr>
<tr>
<td>E</td>
<td>U</td>
<td>-</td>
</tr>
<tr>
<td>F</td>
<td>W</td>
<td>-</td>
</tr>
<tr>
<td>G</td>
<td>E</td>
<td>-</td>
</tr>
<tr>
<td>I</td>
<td>W</td>
<td>-</td>
</tr>
<tr>
<td>K</td>
<td>WP</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>WM</td>
<td>-</td>
</tr>
<tr>
<td>P</td>
<td>WP</td>
<td>-</td>
</tr>
<tr>
<td>R</td>
<td>WP</td>
<td>-</td>
</tr>
<tr>
<td>S</td>
<td>Audit (no credit)</td>
<td>-</td>
</tr>
</tbody>
</table>

The designations of "N" will be assigned temporarily by the Registrar’s Office only in the case when a grade has not been submitted by the instructor by the grade submission deadline. The designation will be replaced by the earned letter grade at the earliest opportunity in the term that immediately follows and prior to graduation. The "N" designator may not be assigned by the instructor.

In the event of academic dishonesty, instructors may assign a Z in front of a final course grade on a student’s academic record. For further information regarding the addition, removal and appeals process of the Z designation, see [http://z.ucf.edu/](http://z.ucf.edu/).
Academic Regulations and Procedures

UCF Cumulative GPA. If prior to this term the student had earned a total of 162 grade points for a combined 54 term hours of coursework, his or her cumulative grade point average entering this term would be 162/54 = 3.00. Including this term of coursework, the cumulative grade point average would be (162 + 46) / (54 + 13) = 3.10.

Incomplete Grade
A grade of "I" (Incomplete) may be assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. These circumstances must be reported in a timely manner following the end of the term. It is expected that the student will have completed a majority of the course. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective withIncomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of "I" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes for medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student's academic standing if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmis-sion is warranted.

Grade Reports
Grades are available from myUCF at https://my.ucf.edu.

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory.

Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any and all attendance regulations stipulated by their college, school, department, program, or instructor. Reasons for acceptable absences may include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, professional conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a "Program Verification" form. Program Directors shall provide each student with a copy of this form. It is the student's responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Dean of Students will be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Sports Center, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may be excused for sound reasons. When absences threaten a student's satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student's college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

Classroom Responsibility
Students are responsible for maintaining classroom decorum appropriate to the educational environment. When the conduct of a student or group of students varies from acceptable standards and becomes disruptive to normal classroom procedures, the instructor has the authority to remove the offending party from the room and refer the student to the Office of Student Conduct (FC 142) for disciplinary action.

In the event of academic dishonesty, faculty members may assign a Z in front of a final course grade on a student's academic record. For further information regarding the addition, removal and appeals process of the Z designation, see http://z.ucf.edu/.

Student Conduct
Students are subject to federal and state laws and local ordinances as well as regulations prescribed by the University of Central Florida and the Florida Board of Governors. The breach or violation of any of these laws or regulations may result in disciplinary action. Detailed conduct regulations and procedures are presented in The Golden Rule.

A person applying for admission to UCF who has declared a violation of conduct policies at a previous college or university or has been charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

Religious Observances
It is the practice of the University of Central Florida to reasonably accommodate the religious observances, practices, and beliefs of individuals in regard to admissions, class attendance, and the scheduling of examinations and work assignments. A student who desires to observe a religious holy day of his or her religious faith must notify the instructor at the beginning of the term to be excused from classes to observe the religious holy day.

The student will be held responsible for any material covered during the excused absence, but will be permitted a reasonable amount of time to complete any work missed. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day.

Students who are absent from academic or social activities because of religious observances will not be penalized. A student who believes that he/she has been unreasonably denied an educational benefit due to his/her religious belief or practices may seek redress in accordance with the Student Grievance Procedure, as listed in The Golden Rule.

Student Classifications
Students will be classified by level, on the basis of credit hours satisfactorily earned as follows:

- Freshman: 0-29 credit hours
- Sophomore: 30-59 credit hours
- Junior: 60-89 credit hours
- Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

Post-Baccalaureate:
Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

Graduate:
Any student enrolled in graduate courses who has been admitted to a graduate program.

Other Student Classifications:
Auditor:
A student registered for any credit course who is not seeking credit.

Co-op Student:
A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar; a co-op student either is on assignment or attending class during each term.
Special Student:  
A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

Temporary:  
A student who applied before the deadline and who is permitted to register and attend class pending completion of the admission file.

Transient:  
Students temporarily registered (for one term) at UCF with the approval of another university or college where they are regularly enrolled, or a UCF student temporarily in attendance at another university or college, with the approval of UCF. A UCF student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the A.A. degree is to be awarded.

Limited Non-Degree Seeking:  
A student earning credit but not working on a degree program.

Provisional:  
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.

Academic Honors

President’s Honor Roll Certificate (Full-Time Award)  
The President’s Honor Roll Certificate (Full-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA, complete 12 or more hours, excluding satisfactory/unsatisfactory course work, and did not earn any “I,” “U,” “N,” “NC,” or “WF” grades during a given term.

President’s Honor Roll Certificate (Part-Time Award)  
The President’s Honor Roll Certificate (Part-Time Award) is awarded in recognition of scholastic honors to degree-seeking undergraduate students who maintain a 4.0 GPA in two consecutive part-time terms. The student must complete at least 15 hours, with no more than 11 in each consecutive term, excluding satisfactory/unsatisfactory course work, and not earn any “I,” “U,” “N,” “NC,” or “WF” grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

Dean’s List  
The Dean’s List is compiled in recognition of scholastic honors to degree-seeking undergraduate students who earn a minimum 3.4 GPA, complete a minimum of 12 credit hours, earn no grade less than “C” (2.0) and no “I,” “U,” “N,” “NC,” or “WF” grades during a term.

Baccalaureate Honors and Diplomas  
The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and,
3. Honors awarded will be:  
Summa Cum Laude for those students in the upper 2.5 percent Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent Cum Laude for those students in the upper 10 percent, but not in the upper five percent

Records for the term of graduation are incomplete at the time the Commencement Program is printed. Identification of these students at graduation therefore is presumptive of honors and not conclusive, since final term grades may result in changes in relative rankings.

Consult the Academic Honors list at [http://ikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/](http://ikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/) for the most up-to-date UCF Honors minimum GPA requirements. Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online “Intent to Graduate.”

Honors in the Major  
Please see “Honors in the Major” in The Burnett Honors College portion of the Undergraduate Catalog.

---

Grade Forgiveness

Grade Forgiveness offers a student the opportunity to retake a course and earn a second grade that will be substituted for the previous grade. You may apply for Grade Forgiveness online at [https://my.ucf.edu > Student Self Service > Student Center]. Information must be submitted no later than the withdrawal deadline for the term/session in which the student has registered for the course being repeated. Consult the web calendar at [http://calendar.ucf.edu/](http://calendar.ucf.edu/). The following policies apply:

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with a “T” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA or meet degree requirements;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made. In addition, if the student is ineligible, the two grades will be averaged for the calculation of the GPA;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “I” grade or “NC” grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida College System institution or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations;
8. Due to the two-course limit, a student who has repeated two or more courses at a Florida College System institution or State University and included those courses in the transfer of an AA or a specific statewide articulated AS degree will not be granted any Grade Forgiveness at UCF;
9. Grade Forgiveness awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disqualification). In addition, no academic records can be altered after a student graduates;
10. Grade Forgiveness is not retroactive and, therefore, may not be used for a course repeated before Fall 1981. If a student who repeated a course at UCF before Fall 1981 and did not use the previous forgiveness policy may repeat the course again. In this case, the lower of the previous two grades will be forgiven. This special circumstance is the only one in which a student will be allowed to repeat a course more than once; and,
11. With prior approval from the Dean’s office in which the course is offered, a student can only substitute a course different from the original one if: 1) the substitute course reflects a change in prefix, number, hours, or title but not in substance; or 2) the substitute course replaces a course no longer offered by UCF. In this case, the student must submit the paper version of the Grade Forgiveness Form which can be obtained at the Registrar’s Office (MH 161).

Repeated Enrollment in Same Course: Beginning Fall 1997, a student enrolled in the same undergraduate college credit course more than twice shall pay matriculation at 100% of the full cost of instruction (Non-Florida Resident rates).

Academic Standing

All academic actions are shown on myUCF at [https://my.ucf.edu/](https://my.ucf.edu/) and on the transcript. The action is generated due to course completion. Changing a course grade does not necessarily change academic action. An exception may be made when an error is committed and is so stated by the instructor on the “Change of Grade Request Form.”

Good Standing

Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term...
Academic Probation
Action taken when a student's UCF cumulative GPA drops below 2.0. Academic Probation will continue until the current term and UCF cumulative GPA reach 2.0 or better.

First-time-in-college students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Transfer students may be admitted on Academic Probation at the discretion of the Undergraduate Admissions Office or the Admissions and Standards Committee. Academic Probation is intended to inform students making unsatisfactory progress of their need to alter study habits and seek additional tutoring. Early recognition will indicate to the student the possible jeopardy to academic goals and will also allow an opportunity to demonstrate acceptable performance.

Disqualified (First Suspension)
A student on Academic Probation is disqualified upon failure to achieve a minimum 2.0 GPA during the subsequent term. A student who is disqualified may not enroll at the University for two semesters following disqualification. Readmission after two semesters is not automatic. Disqualified students are required to have completed the Florida AA degree, or have completed UCF's general education program and Gordon Rule requirements, before petitioning for readmission. A disqualified student must submit an application for readmission supported by a letter documenting the reasons for previous academic difficulties, clear evidence of satisfactory academic performance since leaving the university, and plans for achieving a GPA of 2.0 or better. A disqualified student is limited to petition for readmission once per year (365 days). The total record will be reviewed and action on readmission will be taken by the University Registrar. Any disqualified student whose UCF grade point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, "grade point deficiency" is defined as the number of UCF credit hours earned with a "F" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

Exclusion (Second Suspension or more)
A student readmitted following disqualification who fails to achieve a minimum 2.0 Term GPA is excluded from the University. Exclusion is the most serious and students are not eligible for readmission after exclusion. An individual who has been excluded will not be considered for readmission, and may not appeal any failure to be readmitted following exclusion.

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum "C" average (2.0 GPA) on all college work attempted from a Florida College System institution has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.

Readmission
A student must apply for readmission to the Registrar's Office (MH 161) if:
1. the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2. the student has been academically suspended from UCF;
3. the student failed to enroll or withdrew from all classes during the readmitted term;
4. the student has previously attended, or is currently enrolled at UCF, as "degree-seeking" and desires to pursue a second bachelor's degree.

The application deadline for readmission is as follows: for Summer, April 1; for Fall, July 1; and for Spring, November 1.

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the "Readmission Application Form," available on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the "Other Academic..." dropdown menu and scroll down to "Readmission Application." If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar's Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF's grade point system.

Readmitting students classified as a "Florida resident" during the last term at UCF who have resided outside of the state of Florida for one year or more, may not be eligible for readmission as a Florida resident for tuition purposes. Students approved for readmission may be classified as a non-resident for tuition purposes and must submit documentation to the Registrar's Office establishing his or her eligibility for Florida resident status for tuition purposes. For eligibility requirements, refer to "Florida Residency for Tuition Purposes" within "Financial Information" of the Undergraduate Catalog.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on "Academic Probation."

All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in "Good Standing" (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points
A student who has been academically disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the "Readmission Application Form" to the Registrar's Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student's UCF personal identification number (PID).
   b. A "Readmission Application Form" not accompanied by the required written statement will not be reviewed.
2. Contact the Registrar's Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major's department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student's current field of study and the field of study to which the student is seeking the change; and
3. Submit to the Registrar's Office official transcripts from all other schools attended during suspension (if applicable). The Registrar's Office will review the readmission application only when it receives all of the documents listed above. A student denied readmission by the Registrar's Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See 'Right of Appeal' below for details. Disqualified students are limited to one readmission appeal during the disqualification period.

Readmission Prior to Completion of the Required Suspension
A student who has been academically disqualified by UCF who has not completed the academic suspension period is not eligible for readmission to the University. Students may appeal for an exception to this policy to the Admissions and Standards Committee. See 'Right of Appeal' below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.
Readmission Following Suspension: Disqualification (with a Grade Point Deficiency of 30 or more Grade Points)

Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30 days) from the date of the denial to appeal that decision to the Admissions and Standards Committee. See ‘Right of Appeal’ below for details. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. A student must remain on readmission plan until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change.

Dropping or Withdrawing During Readmitted Term

Disqualified or excluded students who drop or withdraw from all courses during the readmitted term for whatever reason must apply for readmission.

Limitations on the Number of Readmission Appeals

Disqualified students are limited to one appeal for an exception to University policy to the Admissions and Standards Committee during the disqualification period and one appeal per 12-month period following the disqualification period.

Excluded students are not eligible to appeal for an exception to University policy to the Admissions and Standards Committee.

Non-Academic Admission Clearances

According to the Florida Board of Regents Rule 6C-6.001(2) “...if determined not to be in the best interest of the University to admit an applicant because of past misconduct the University may do so.” This authorizes universities to refuse readmission to applicants due to past misconduct. The University further requires the Vice President of Student Development and Enrollment Services or his/her designee to review all applications disclosing information regarding any prior criminal conviction or conduct problem at another institution and to make a decision as to whether the admission of this applicant will be in the best interest of the University. This statement describes the procedure and assigns responsibility for the review of these applications for admission. Applicants who fail to disclose any prior criminal conviction or conduct problem at another institution and such fact is subsequently discovered by the University shall be denied admission or readmission, or other academic and/or disciplinary action up to and including expulsion.

Appeal

There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(4): “Applicants denied admission shall be given notice of the denial within a reasonable period of time following the decision. Upon the applicant’s written request, the University shall provide the reasons for the rejection in writing.”

Admissions and Standards Committee

The Admissions and Standards Committee is a reporting committee of the Faculty Senate. Its membership includes faculty and non-faculty representatives of the faculty Senate, several academic colleges, the Division of Student Development and Enrollment Services, and Student Government Association. The Admissions and Standards Committee meets regularly to consider appeals from: 1) persons denied admission; 2) students denied readmission; and 3) student appeals of University academic actions, policies or standards. All decisions rendered by the Admissions and Standards Committee are final. Decisions can only be appealed in the event new evidence or information has been determined by the Chair of the committee to be relevant and is subsequently approved for further committee review.

Right of Appeal

A student who has been denied readmission has thirty (30 days) from the date of the denial to appeal to the Admission and Standards Committee. The appealing student must satisfy the following requirements before the Registrar’s Office will forward the appeal to the Committee:

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
6. Submit one stapled packet of appellant materials to the Registrar’s Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed “Application for Readmission as an Exception to University Policy Form”;
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   e. After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon university readmission policy and information presented in the appeal. Decisions are final and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, that may be submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.
   Disqualified (with a Grade Point Deficiency of 30 or more Grade Points) and Excluded students are not eligible for readmission to the University and have no right to appeal for an exception to University policy to the Admissions and Standards Committee.

Academic Amnesty Program

Effective Fall 2004, the Academic Amnesty Program provides undergraduate students who are not eligible for readmission for academic reasons the opportunity to readmit to UCF after five or more years of separation. This program allows the student to nullify up to two consecutive terms worth of UCF coursework from his or her UCF grade point average. Students may not select specific courses within the two identified terms. If the student satisfactorily completes the Academic Amnesty Program, the University will remove from the student’s UCF GPA all UCF coursework for which the student enrolled during the selected consecutive terms. While grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:
1. Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
   a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
   b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
Academic Regulations and Procedures

c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.

2. The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program.

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while being on academic probation, must have the written support of their coach, complete a written document stating their methods and dedication to improve their level of academic achievement and the approval of the AERC. The committee shall review each applicant’s academic potential and current status and the student’s degree of continued participation in intercollegiate athletic activities.

Name Changes

To change the legal name maintained on the student’s official UCF record, the student must submit a completed “Change of Name” form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees who have changed their name and have been on UCF employee status within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

In addition to legal name changes, the University provides students the option for a Preferred Name. Students wishing to establish a preferred name option may accomplish this by submitting the Change of Name Form to the Registrar’s Office.

Address and Email Changes

The student’s address is initially obtained from the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate changes to the address online at myUCF as they occur. Address and email changes also can be made by writing to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.

Transcript Requests

Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all required data is posted.

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office during that office’s regular business hours. The UCF Card payment option is available only at the main Orlando campus and must be made in person at the Cashier’s Office (MH 109). Mail written requests for transcripts to: Registrar’s Office, Attn: Transcripts, P. O. Box 160114, Orlando, FL 32816-0114. Requests require at least 2 business days to process. Transcripts not claimed with 30 days of printing will be discarded and must be reordered. A $10.00 per reordered transcript fee must be submitted with the reorder request. Grades are available from myUCF at https://my.ucf.edu.

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee (Student Account Services (MH 109)).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process.

Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

Extenuating Circumstances

Those circumstances determined by the University to be exceptional and beyond the control of the student. These may include, but not be limited to, the following:

1. Medical condition or serious illness preventing completion;
2. Death of an immediate family member;
3. Involuntary call to active duty;
4. Other emergency circumstances or extraordinary conditions.

Special Limitation: students who withdraw or fail a class due to extenuating circumstances may be granted an exemption only once for each class.

Financial Hardship:

Should include, but not be limited to, the following:

1. Qualification for federal need-based financial aid;
2. Other documented financial hardship may be considered.

For details, contact Student Account Services (MH 109) at 407-823-2433.

Major, Minor, Undergraduate Certificate Policies

Policy for Undeclared Students

All students at the University of Central Florida are expected to officially declare a major prior to earning 45 college credit hours (this includes credits earned from CLEP, Dual Enrollment, AP and IB). An administrative Hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional campuses) to have the hold released.

Majors

The University assigns the major that the student indicated on the “Application for Admission or Readmission.” It is the student’s responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an “Undeclared” or “Undecided” major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. Students may change majors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major Request. Follow the directions on that page.
Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

Undergraduate Certificates
An undergraduate Certificate is a supplement to the bachelor’s degree program/major. Certificates are optional. Students must be admitted in a degree seeking program to be eligible to receive an undergraduate Certificate, and a Certificate will only be granted together with completion of a UCF baccalaureate degree. All graduation requirements (i.e. the certificate and major/minor) must be from the same UCF Undergraduate Catalog for which a student is eligible. Certificates can be declared or changed online at https://my.ucf.edu.

Student Records
Student records submitted become the property of the University and cannot be returned to the student or released to a third party. Copies of student records will be released only upon receipt of a written request signed by the student. Student records are stored in paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities, and;

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington DC, 20202-4605

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. Directory information at UCF includes:

- name
- current mailing address
- telephone number
- date of birth
- major field of study
- dates of attendance
- enrollment status
- degrees and awards received
- participation in officially registered activities and sports
- athletes’ height and weight

The University extends to students the opportunity to withhold even directory information from disclosure, by opting out of the University’s directory information policy. Students can do this online at https://my.ucf.edu > Student Self Service > Student Center > Personal Information > FERPA/Directory Restriction or complete the Directory Disclosure/Release Authorization form available at the Registrar’s Office (MH 161) or at http://www.registrar.ucf.edu, requesting that this information be withheld.

Other Disclosures:
FERPA also authorizes the University to forward educational records to other agencies or institutions that have requested the records AND in which the student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

All other disclosures of education records and information will be made in accordance with FERPA. In most cases, but not all, this requires the student’s prior written and signed consent. The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, enter the Department of Education Family Policy Compliance Office website at http://www.ed.gov/offices/OM/fpco/.

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from http://www.registrar.ucf.edu/hea/.
Academic Regulations and Procedures

Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor’s and Master’s degree listed in the Undergraduate Catalog.

Test credit is applied according to the published policy at the time the credit is received and posted by the University.

Advanced Placement Program (AP)

(see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled “Advanced Placement Exams” provides information related to Advanced Placement examination areas and subtest areas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

Advanced Placement Literature (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits) of introductory literature. A score of 4 or higher earns a minimum of two semesters (min. 6 credits) of introductory literature.

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.

**AP Latin: Vergil**

LNW 2321

**AP Latin: Latin Literature**

LNW 3700 (number unique to exam)

---

**ADVANCED PLACEMENT (AP)**

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>BSC 2010C</td>
<td>Same as 4</td>
<td>CUL &amp; HIS Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Calculus BC*</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>CHM 2045C</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>CHI 2200</td>
<td>Same as 4</td>
<td>CUL Found 2</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CS 1075</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CS 1075</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Economics: Macro</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 4</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 4</td>
<td>COM Found 1 and 2</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>ISC 1051</td>
<td>SCI Found 2</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>European History</td>
<td>EUM 1009</td>
<td>EUM 2000</td>
<td>Same as 3</td>
<td>CUL and HIS Found 1 and 3</td>
</tr>
<tr>
<td>French Language &amp; Culture</td>
<td>FRE 2200</td>
<td>FRE 2200</td>
<td>Same as 4</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>German Language &amp; Culture</td>
<td>GER 2200</td>
<td>GER 2200</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Government and Politics: United States</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200</td>
<td>Same as 3</td>
<td>CUL and HIS Found 2</td>
</tr>
<tr>
<td>Japanese Language &amp; Culture</td>
<td>JNP 2200</td>
<td>JNP 2200</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Latin: Vergil</td>
<td>LNW 2321</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Latin</td>
<td>LNW 2321</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Music Theory</td>
<td>MUT 1001 if composite score is 3 or higher</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics 1</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics 2</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics: Mechanics</td>
<td>PHY 2053C</td>
<td>SCI Found 1</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
<td>Same as 3</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 2200</td>
<td>SPN 2200</td>
<td>Same as 3</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Literature</td>
<td>SPN 3100</td>
<td>SPN 3100</td>
<td>Same as 3</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
<td>MAT Found 2</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2201C</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Studio Art: 3-D Design Portfolio</td>
<td>ART 2202C</td>
<td>Same as 3</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>United States History</td>
<td>AMH 1000</td>
<td>AMH 2010</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1 and 3</td>
</tr>
<tr>
<td>World History</td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>Same as 3</td>
<td>CUL &amp; HIS Found 1</td>
</tr>
</tbody>
</table>

*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

**If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.**
Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit for scores of four or higher in the subsidiary and higher level program areas. The table below labeled “International Baccalaureate” provides information related to the International Baccalaureate program credit.

### INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td>SCI Found 1</td>
<td>GEB 2011 and 2905</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computer Science</td>
<td>CEG 1076</td>
<td>MAT Found 2</td>
<td>CEG 1076 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>SCI Found 2</td>
<td>ETI 1410 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 2</td>
<td>ECO 2013 and 2023</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td>SCI Found 1</td>
<td>EVR 1017 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>SCI Found 2</td>
<td>ENC 1101 and 1102</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Environmental Systems</td>
<td>ISC 1050</td>
<td>SCI Found 2</td>
<td>ISC 1050 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL and HIS Found 2</td>
<td>FIL 1001 and 1002</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>French</td>
<td>FRE 1121</td>
<td>MAT Found 1</td>
<td>FRE 1121C and 2200</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Further Mathematics</td>
<td>MHS 1202</td>
<td>MAT Found 1</td>
<td>MHS 1202 and 1209</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>(Advanced Mathematics)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>GEA 1000</td>
<td>SCI Found 2</td>
<td>GEO 1200 and 1400</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>German</td>
<td>GER 1121</td>
<td>SCI Found 2</td>
<td>GER 1121C and 2200</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>History</td>
<td>WOH 1000</td>
<td>CUL &amp; HIS Found 1</td>
<td>WOH 1000 and WOH 1999</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Information &amp; Information Technology for a Global Society</td>
<td>IDS 1906 (3 credits)</td>
<td>SCI Found 2</td>
<td>IDS 1906 (6 credits)</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Islamic History</td>
<td>ASH 1506</td>
<td>SCI Found 2</td>
<td>ASH 1506 (6 credits)</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Italian</td>
<td>ITA 1121</td>
<td>SCI Found 2</td>
<td>ITA 1121 and 2200</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Latin</td>
<td>LAT 2230</td>
<td>SCI Found 2</td>
<td>LAT 2230 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Marine Science</td>
<td>BSC 2311/231L, (3 credits)</td>
<td>SCI Found 2</td>
<td>Same as 4 (min of 6 credits)</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and 1140</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>MAT Found 1</td>
<td>MAT 1033 and MGF 1106</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAC 1147 and 2233</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 2010 and HUM 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Philosophy</td>
<td>PHI 1010</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHI 1010 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
<td>PSY 2012 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SCI Found 2</td>
<td>ANT 2410 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Spanish</td>
<td>SPN 1121</td>
<td>CUL &amp; HIS Found 2</td>
<td>SPN 1121 and 2230</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Theatre Arts</td>
<td>THE 2000</td>
<td>CUL &amp; HIS Found 2</td>
<td>THE 2000 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
<td>SCI Found 2</td>
<td>ART 1012 and 1906</td>
<td>SCI Found 1</td>
</tr>
</tbody>
</table>

*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>SCI Found 2</td>
<td>Score of 50 or higher earns SCI Found 2</td>
</tr>
<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>Score of 60 or higher earns SCI Found 2</td>
</tr>
<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
<td>Score of 63 or higher earns SCI Found 2</td>
</tr>
<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>SOC Found 1</td>
<td>GER 1120C and 1121C</td>
</tr>
<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 2033</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 and 2</td>
<td></td>
</tr>
<tr>
<td>College Composition Modular</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 and 2</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td></td>
</tr>
<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
<td></td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>ACG 1001</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>French Language</td>
<td>FRE 1120C</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>German Language</td>
<td>GER 1120C</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AMH 2010</td>
<td>CUL &amp; HIS Found 1 or 3</td>
<td></td>
</tr>
<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>SOC Found 1</td>
<td></td>
</tr>
<tr>
<td>Human Growth and Development</td>
<td>DEP 2004</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>HUM 2250</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Information Systems and Computer Applications</td>
<td>CCS 1077</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Marketing, Principles of</td>
<td>MAR 2011</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Mathematics, College</td>
<td>MGF 1016</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Microeconomics, Principles of</td>
<td>ECO 2023</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
<td>SCI Found 2</td>
<td></td>
</tr>
<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
<td>SCI Found 1</td>
<td></td>
</tr>
<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
<td></td>
</tr>
<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>CUL &amp; HIS Found 1</td>
<td></td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA
International Baccalaureate (all modern languages)

International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)

Students earn a minimum of one semester (3 credits) of language credit at the Elementary Language II or equivalent level (usually 1121C) level for a score of 4. Students who score 5-7 earn a minimum of two semesters (min. 6 credits) of Elementary Language I or their equivalents (usually 1121C/2200) level. No literature credit will be awarded for International Baccalaureate Language B exams.

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)

No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)

No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

IB Latin

LNW 3700. This is a unique number assigned to this exam. The IB Latin course includes a reading component and a selection of two out of four authors on a list that changes periodically. Minimum 3 credits for score of 4, 6 credits for score of 5-7 (all exams for diploma holders, higher level exams only for others).

College Level Examination Program (CLEP)

(see table on previous page)

Credit is awarded for scaled scores of 50 or higher on computer-based CLEP exams taken after July 1, 2001. A percentile score of 50 or higher is required on CLEP examinations taken prior to July 1, 2001. CLEP credit may be earned by CLEP subject examinations. Successful completion of CLEP examinations means performance at or above the minimum qualifying score. CLEP credit cannot be used to reduce a grade point deficiency. For example, CLEP cannot be substituted for a grade awarded for a previously completed course. CLEP may not be used to fulfill the senior institution requirements.

Awarding of CLEP credit is subject to the conditions listed below.

Credit may be awarded in the CLEP subject examination area, provided the student: a) is not within 60 credit hours of graduation; b) has not previously received comparable college course credit in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

The table labeled “College Level Examination Program” provides information related to the CLEP examination areas and subtest areas for which credit may be awarded. In addition, this table delineates the minimum qualifying score and the UCF course for which each examination can substitute.

CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120): A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.
Credit by Examination
Regularly enrolled (excludes transient and non-degree) undergraduates at the University of Central Florida may obtain credit for specific University courses through departmental examinations. A student who believes he or she has acquired the knowledge and/or skills of a specific University course should consult his or her advisor and the chair of the department in which the course is offered to arrange for an examination. Degree credit will be awarded for those courses successfully completed by departmental examination. Credit by examination may not be used to reduce the 30 credit hours residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

Cambridge AICE Exams
(see table below)
The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of "A-Levels." Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/qualifications/academic/uppersec/alevel.

DANTES Examination Credit
(see table on next page)
The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled "DANTES Subject Standardized Tests (DSST)" provides information related to the Dantes Examination credit. For additional information: http://www.getcollegecredit.com.

### Cambridge AICE Exams

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of &quot;A&quot;, &quot;B&quot;, &quot;C&quot;, &quot;D&quot; or &quot;E&quot;</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
<td></td>
</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Applied ICT – Information, Communication Technology (AS-Level)</td>
<td>CGS 1060C</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Applied ICT – Information, Communication Technology (A-Level)</td>
<td>CGS 1060C and CGS 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
<td></td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 211</td>
<td></td>
</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 211 and GEB 2905</td>
<td></td>
</tr>
<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
<td></td>
</tr>
<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
<td></td>
</tr>
<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETI 1482C and ETI 1906</td>
<td></td>
</tr>
<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
<td></td>
</tr>
<tr>
<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>English - English Language (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English - Language &amp; Literature in English (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English - Literature in English (AS-Level)#</td>
<td>ENC 1101 or ENC 1102</td>
<td>COM Found 1 or COM Found 2</td>
</tr>
<tr>
<td>English - Literature in English (A-Level)#</td>
<td>ENC 1101 and ENC 1102</td>
<td>COM Found 1 or COM Found 2 and CUL and HIST Found 2</td>
</tr>
<tr>
<td>English (A-Level)</td>
<td>ENC 1101 and ENC 1102 or LIT 1000</td>
<td>COM Found 1 or CUL and HIST Found 2</td>
</tr>
<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
<td></td>
</tr>
<tr>
<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
<td></td>
</tr>
<tr>
<td>French Literature (AS-Level)</td>
<td>FRW 3100</td>
<td></td>
</tr>
<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>General Paper</td>
<td>IDS 1110</td>
<td></td>
</tr>
<tr>
<td>Geography (AS-Level)</td>
<td>GEA 1000</td>
<td></td>
</tr>
<tr>
<td>Geography (A-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121</td>
<td></td>
</tr>
<tr>
<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td></td>
</tr>
<tr>
<td>Global Perspectives I (AS-Level)</td>
<td>ISS 1011</td>
<td></td>
</tr>
<tr>
<td>Global Perspectives Pre-U Independent Research II (A-Level)</td>
<td>ISS 1011 and ISS 1012</td>
<td></td>
</tr>
<tr>
<td>History - The History of the USA, c. 1840-1968</td>
<td>ANH 2042</td>
<td></td>
</tr>
<tr>
<td>History - Modern European History, 1789-1939</td>
<td>EUH 2031</td>
<td></td>
</tr>
<tr>
<td>History - International History, 1945-1991</td>
<td>WOH 2504</td>
<td></td>
</tr>
<tr>
<td>Latin (A-Level)</td>
<td>LAT 1121C</td>
<td></td>
</tr>
<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
<td></td>
</tr>
<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCB 1000</td>
<td></td>
</tr>
<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td></td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
<td></td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 1121</td>
<td></td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1121</td>
<td></td>
</tr>
<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2220 and SPN 2231</td>
<td></td>
</tr>
<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPW 3100</td>
<td></td>
</tr>
<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1123</td>
<td></td>
</tr>
<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1123 and PHI 1906</td>
<td></td>
</tr>
<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000</td>
<td></td>
</tr>
<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td></td>
</tr>
</tbody>
</table>

*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.
#If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102 and LIT 2100.

Academic Regulations and Procedures
### Excelsior College Examinations (see table below)
The table labeled “Excelsior College Examinations” provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at http://www.excelsior.edu.

### UEXCEL Credit by Examination (see table below)
The table labeled “UEXCEL Credit by Examination” provides information related to the UEXCEL program developed jointly by Excelsior College and Pearson. More detailed information about the UEXCEL program, including test descriptions can be found online at http://www.uexceltest.com/about-uexcel.

#### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Business Ethics and Society</td>
<td>GEB 2441</td>
<td></td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Business Law II</td>
<td>BUL 2232</td>
<td></td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td></td>
<td>48</td>
<td>400</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
<td>400</td>
</tr>
<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
<td></td>
<td>47</td>
<td>400</td>
</tr>
<tr>
<td>Fundamentals of Counseling</td>
<td>PGC 1202</td>
<td></td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
<td>400</td>
</tr>
<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td></td>
<td>44</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
<td>MAT Found 2</td>
<td>45</td>
<td>400</td>
</tr>
<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
<td></td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
<td>400</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>GEB 2111</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Organizational Behavior</td>
<td>INP 1002</td>
<td></td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
<td></td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
<td></td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
<td>400</td>
</tr>
<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
<td></td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
<td>45</td>
<td></td>
</tr>
<tr>
<td>Substance Abuse</td>
<td>HSC 2140</td>
<td></td>
<td>49</td>
<td>400</td>
</tr>
<tr>
<td>Technical Writing</td>
<td>ENC 2210</td>
<td></td>
<td>46</td>
<td></td>
</tr>
<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
<td></td>
<td>47</td>
<td></td>
</tr>
</tbody>
</table>

#### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Earth Science</td>
<td>ESC 1000</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Introduction to Music</td>
<td>MUH 1011</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Labor Relations</td>
<td>MAN 1400</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Managerial Accounting</td>
<td>ACG 2071</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>Workplace Communication with Computers</td>
<td>GST 2335</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
<td></td>
<td>C</td>
</tr>
</tbody>
</table>

#### UEXCEL CREDIT BY EXAMINATION

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>C</td>
</tr>
<tr>
<td>College Writing</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120</td>
<td></td>
<td>C</td>
</tr>
</tbody>
</table>
Requirements for Graduation

Students must fulfill both the requirements for a major and University requirements to receive a bachelor's degree from the University of Central Florida. The student must:

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a "C" average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply for more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

Students will be considered for posthumous degrees by the Commencement and Convocations Committee if they are in good academic standing at the time of their death, have a 2.0 GPA or better and are within at least 15 credit hours of completion of all requirements or are in the final term of completion of all their requirements.

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Continuous enrollment is defined as being enrolled in classes without a break of two or more consecutive regular semesters/terms (i.e., Fall and Spring, or Spring, Summer, and Fall). Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

Students who change majors between different colleges must adopt the most current Catalog. Additional information is included in the program descriptions. Students pursuing a single degree (including double majors and/or minors) must use a single catalog and cannot use a combination of catalogs for graduation. In cases when required courses are no longer taught by the University, the appropriate department, college, or Academic Services (MH 210) may designate a reasonable substitute. If a student desires to change the catalog for graduation, the student should first discuss with the advisors how such a change would affect University, college, and major requirements.

If a student decides to request a change, he or she must submit a "Catalog Year Change Request Form" to the Registrar's Office (MH 161). This form is available at the Registrar's Office or online at http://www.registrar.ucf.edu.

General Education Program (GEP)

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and expressive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning. The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

Courses that fulfill the General Education Program requirements are specified, but in some cases an alternate course in the same discipline may be substituted for GEP requirements. These alternate courses, approved by the Faculty Senate Undergraduate Common Program Oversight Committee, are listed in the section identified as "Alternate Courses: General Education Program." Students should consult with an advisor before enrolling in an alternate course. Undergraduate students who have not completed requirements for the Associate of Arts degree and who desire to transfer to another Florida public university can have their transcripts indicate "General Education Requirements Met" upon written request, if they have completed UCF's GEP requirements with a GPA of 2.0 or better. UCF will accept a similar statement on transcripts received from Florida College System institutions and universities in lieu of completion of the University's General Education Program. Students enrolled in courses that use the "NC" grade must earn a grade of "C-" (1.75) or better.

General Education Program Learning Objectives

Communications Foundation

- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation

- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and deepen appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical, and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

Mathematical Foundation

- Demonstrate the skills needed to solve quantitative problems including choosing the proper technique and/or technology.
- Be able to solve real-world quantitative problems.
- Demonstrate qualitative understanding of mathematical, statistical, and computing concepts.
- Demonstrate knowledge and understanding of essential computing concepts common to academic degrees and their related professions.
- Demonstrate essential computational skills common to academic degrees and their related professions, and in particular, skills relating to professional use of computers and application software.

Social Foundation

- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual's place in the world is affected by social, economic, and political institutions.
- Gain a deeper appreciation of one's role and potential impact in social, economic, and political institutions.
- Demonstrate an understanding of the interaction among social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.
Undergraduate Degree Requirements

**General Education Program (GEP) Courses (36 credit hours required)**

(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

Satisfactorily complete one course in each of the twelve numbered areas. . . . . . . 36 hours

At least one course completed in each Foundation area must be a designated State General Education Core Course (*). 

<table>
<thead>
<tr>
<th>Area</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundation</td>
<td>ENC 1101 Composition 1, 2</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>ENC 1102 Composition II PR: ENC 1101</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>COM 1000 Introduction to Communication</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundation</td>
<td>EUH 2000 Western Civilization</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>EUH 2001 Western Civilization II</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦HUM 2210 Encountering the Humanities</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>HUM 2210 Humanistic Tradition I</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>HUM 2230 Humanistic Tradition II</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>AMH 2010 U.S. History: 1492-1877</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>WOH 2012 World Civilization I</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>WOH 2022 World Civilization II</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td>C. Mathematical Foundation</td>
<td>MAC 1105C College Algebra</td>
<td>3 (1.3)</td>
</tr>
<tr>
<td></td>
<td>MAC 2211C Calculus with Analytic Geometry</td>
<td>4 (3.2)</td>
</tr>
<tr>
<td></td>
<td>♦MGF 1106 Finite Mathematics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦MGF 1107 Explorations in Mathematics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>CGS 1000C Introduction to Computers</td>
<td>3 (2.2)</td>
</tr>
<tr>
<td></td>
<td>STA 1063C Basic Statistics using Microsoft Excel</td>
<td>3 (2.1)</td>
</tr>
<tr>
<td></td>
<td>STA 2014C Principles of Statistics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦STA 2023 Statistical Methods I</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td>D. Social Foundation</td>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>ECO 2020 Principles of Microeconomics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦POS 2041 American National Government</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦AMH 2020 U.S. History: 1877-present</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦PSY 2012 General Psychology</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦SYG 2000 Introduction to Sociology</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦ANT 2000 General Anthropology</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td>E. Science Foundation</td>
<td>♦AST 2002 Astronomy PR: High School Algebra or MAC 1105C</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦PSC 112* Physical Science PR: High School Algebra or MAC1105C</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦PHY 2020 Concepts of Physics</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦PHY 2053C College Physics I: MAC 1105C and MAC 1114C</td>
<td>4 (3.3)</td>
</tr>
<tr>
<td></td>
<td>♦PHY 2048C General Physics Using Calculus I</td>
<td>4 (3.3)</td>
</tr>
<tr>
<td></td>
<td>♦CHM 1020 Concepts in Chemistry PR: High School Algebra</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦CHM 2045C Chemistry Fundamentals I</td>
<td>4 (3.1)</td>
</tr>
<tr>
<td></td>
<td>♦BSC 1050* Biological Principles</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦BSC 1050* Biology and Environment</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦MUL 2010C Biology I</td>
<td>3 (1.0)</td>
</tr>
<tr>
<td></td>
<td>♦EVR 1001 Introduction to Environmental Science</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>GLY 1030 Geology and its Applications</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦EVR 1001 Physical Geography</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦ANT 2011 The Human Species</td>
<td>3 (3.0)</td>
</tr>
<tr>
<td></td>
<td>♦MCB 1310 Intro to Biotechnology and Genetic Engineering</td>
<td>3 (3.0)</td>
</tr>
</tbody>
</table>

*A one credit laboratory is also available for this course.

1 A grade of ‘C’ (1.75) or better is required in this course.
2 A grade of ‘C-’ (1.75) or better satisfies three hours of the Gordon Rule requirement.

## Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
- Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

## Substitution of Courses: General Education Program and Other Requirements

The student degree audit system is coordinated by the Office of Academic Services for the evaluation of transfer courses for the University’s General Education Program and Foreign Language Proficiency requirements. When the transfer course work is entered into the UCF computer system (usually during the first semester at UCF), course descriptions and other information to provide a sufficient basis for evaluation may be requested. Courses are evaluated on the basis of equivalency with the content of the courses required by the University. The evaluation conduct is entered into a computerized Degree Audit system and then is available to the colleges and departments through the University’s computer network and for the student online access through myUCF at https://my.ucf.edu. Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

### General Education Alternate Courses:

- **Substitutions for designated State General Education Core Courses**: Courses that may be taken in substitution of State General Education Core Courses (♦) are listed below.

### Mathematical Foundation:

- **MAC 1114C, MAC 1140C**
- **Other courses that may be taken in substitution for the GEP requirements are listed below. These alternate courses do not satisfy the State General Education Core Course requirement:**

#### GEP Requirement

<table>
<thead>
<tr>
<th>Course</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1020</td>
<td>CHS 1440, CHM 1032, CHM 2040 &amp; CHM 2041</td>
</tr>
<tr>
<td>GEO 1200</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2100C, COP 2500C, COP 3020C, COP 3100C</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>STA 3032</td>
</tr>
<tr>
<td>THE 2000</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000</td>
<td>FIL 2030, FIL 3006, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

## Diversity Requirement

The University recognizes that communities are comprised of, and enriched by, people of diverse backgrounds. The study of diversity is encouraged to promote an understanding of the needs of individuals, the University, and society. Thus, all students completing their first bachelor’s degree from UCF must complete at least one course that explores the diverse backgrounds and characteristics found among humans, including: race/ethnicity, gender, social class/caste, religion, age, sexual orientation, and level of physical ability.

Students are exempt from this requirement if they have completed an Associate of Arts degree or the General Education Program at a Florida College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

The requirement is satisfied by the successful completion of a diversity course selected from the following list. Additional courses may be approved subsequently by the Common Program Oversight Committee, so students should consult their departmental advisor for the most current listing.
### Undergraduate Degree Requirements

**General Education Courses:**
- ENC 1102 Composition II
- SPC 1608 Fundamentals of Oral Communication
- SYG 2000 Introduction to Sociology
- ANT 2000 General Anthropology
- POS 2041 American National Government
- PSY 2012 General Psychology
- WOH 2022 World Civilization II
- LIT 2120 World Literature II

**Other Courses:**
- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II
- AML 3283 Contemporary American Women's Fiction
- AML 3615 Harlem, Haiti, and Havana
- AML 3682 Ethnic Literature in America
- ANT 3245 Native American Religions
- ARH 3670 20th Century Latin American Art
- ARH 4871 Women in Art
- ASH 4304 Women in China
- CCJ 4129 Cultural Diversity in Criminal Justice
- CCJ 4670 Women and Crime
- CJE 4174 Comparative Justice Systems
- COM 4014 Gender Issues in Communication
- COM 4461 Intercultural Communication
- CPO 3034 Politics of Developing Areas
- EDF 2085 Introduction to Diversity for Educators
- GEO 3471 World Political Geography
- HUM 2230 Humanistic Tradition II
- HUM 3423 African Humanities
- HUM 4826 Postcolonial Theory
- HUM 4485 American Cultural Studies in the Humanities
- JST 3401 Jewish People in Antiquity
- JST 3402 Wanderings: The Jewish People in Dispersion
- LIN 4615 African-American Styles of Communication
- LIN 4643 Cross Cultural Communication
- LIT 3192 Caribbean Literature
- MMC 4300 International Media
- MUL 2720 Music of the World
- NUR 3805 Dimensions of Professional Nursing Practice
- PAD 4446 Multiculturalism in Public Administration
- PLA 4020 Law and Society
- PLA 4530 World Legal Systems
- PLA 4472 Employment Discrimination Law
- POS 3627 Cultural Pluralism and Law
- PUP 3325 Women and Political Behaviors
- POS 4622 Politics and Civil Rights
- PUP 3314 Women and Political Behavior
- PUP 3204 Sustainability
- REL 2300 World Religions
- SOW 3620 Social Work with Diverse Populations
- SPA 4476 Multicultural Aspects of Communication Disorders & Differences
- SPW 4772 Black Presence in Contemporary Latin American Literature
- SYD 3800 Sex and Gender in Society
- SYP 4732 Minority Aging
- THE 4230 Cultural Diversity in Theater
- WST 3561 Third Wave Feminisms
- WST 3015 Introduction to Women's Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

**Exit Exams**
In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.

**Foreign Language Proficiency Requirement (Bachelor of Arts Degree)**
Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.
Undergraduate Degree Requirements

Placement in Language Courses
Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

Several departments, colleges, and schools have additional requirements. See the “Special College and/or Departmental Requirements” within each listing.

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

2. This is a University-wide requirement for all B.A. majors.

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (HPH 106).

4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.

5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

American Sign Language
Students pursuing a Bachelor of Arts Degree may substitute American Sign Language for the foreign language exit requirement, except where one or more foreign languages have been specified by a college, school, or program for a specific degree (see individual degree program listings for more information). Proficiency is met either by successful completion of ASL 4161C (previously numbered SPA 4614C) or an appropriate score on the ASL proficiency exam. Contact the Department of Communication Sciences and Disorders regarding the proficiency examination.

SUS Foreign Language Admission Requirement
Students who have not satisfied the Foreign Language Admission Requirement (competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule
The “Gordon Rule” (State Rule 6A-10.30) applies to students who first enrolled in any college or university after October 1982. The rule requires students to complete four courses (twelve credit hours) of writing and to complete two courses (six credit hours) of mathematics at the level of college algebra or higher. Each course must be completed with a minimum grade of “C-” (1.75).

UCF courses that are required by the General Education Program also may be used to satisfy the Gordon Rule. “Gordon Rule” requirements may be satisfied by the General Education Program as follows:

1. Six hours of mathematics at (1) College algebra or finite math the level of college algebra or higher (2) Statistics or computer science

Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the “Gordon Rule” Requirement.

2. Six hours of English coursework and six hours of additional college level writing those from the following list:

General Education courses that apply to the Gordon Rule Writing Requirement:

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 U.S. History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

- AMH 2010H Honors U.S. History: 1492 - 1877
- AMH 3402 History of the South to 1865
- AMH 3403 History of the South Since 1865
- AMH 3441 History of the Frontier: Eastern America
- AMH 3442 History of the Frontier: Western America
- AMH 3541 U. S. Military History To 1900
- AMH 3561 Women in American History I
- AMH 3571 Black American History I
- AMH 3580 North American Indians
- AMH 3580 Canadian History
- AMH 4110 Colonial America, 1607-1763
- AMH 4130 The Age of the American Revolution, 1763-1789
- AMH 4140 Jeffersonian America
- AMH 4160 Jacksonian America
- AMH 4201 The Gilded Age and Progressivism
- AMH 4231 United States History: 1914-1939
- AMH 4270 United States History: 1939-1960
- AMH 4644 Viewing American History in the Twentieth Century
- AML 3031 American Literature I
- AML 3041 American Literature II
- AML 3283 Contemporary American Women’s Fiction
- AML 3286 Early American Women’s Words
- AML 3613 Narratives of Slavery
- AML 3614 Topics in African-American Literature
- AML 3615 Harlem, Haiti, and Havana
- AML 3640 Native American Literature
- AML 3643 Contemporary Native American Prose and Poetry
- AML 3682 Ethnic Literature in America
- AML 3682H Honors Ethnic Literature in America
- AML 4010 American Novel
- AML 4153 American Poetry at Mid-Century
- AML 4155 Modern American Poetry
- AML 4261 Literature of the South
- AML 4265 Florida Writers
- AML 4300 Major American Authors
- AML 4304 Whitman and His Heirs
- AML 4321 Modern American Literature
- AML 4630 Latino/Latina Literature
- ANT 3163 Mesoamerican Archaeology
- ANT 3701 Engagement & Social Change: Public Anthropology
- ASH 3222 Islam and Its Empires
- ASH 3223 The Modern Middle East
- ASH 4402 History of Chinese Civilization
- ASH 4404 Modern China
- ASH 4442 Modern Japan

Interdisciplinary courses that apply to the Gordon Rule Writing Requirement:

- EAS 4700C Aerospace Design I
- EGN 4412C Interdisciplinary Design I
- EML 4501C Engineering Design I
- ENC 1101H Honors Freshman Composition I
- ENC 1102H Honors Freshman Composition II
- ENC 3241 Writing for the Technical Professional
- ENC 3241H Honors Writing for the Technical Professional
- ENC 3250 Professional Writing
- ENC 3310 Magazine Writing I
- ENC 3311 Essay as Cultural Commentary
- ENC 3314 Writing in the University
- ENC 3315 Argumentative Writing
- ENC 3330 Rhetorical Traditions
- ENC 3331 Rhetoric and Civic Engagement
- ENC 3331H Honors Rhetoric and Civic Engagement
- ENC 3351 Writing for Publication
- ENC 3351H Honors Writing for Publication
- ENC 3373 Cultural Rhetorics
- ENC 3417 Literacy and Technology
- ENC 3453 Writing About Health and Medicine
- ENC 3455 Writing About Science and Technology
- ENC 3455H Honors Writing About Science and Technology
- ENC 3456H Honors Writing About Health and Medicine
- ENC 3473 Writing in Disciplinary Cultures
- ENC 3502 Research Writing and Literacy
- ENC 3521 Writing Across Difference
- ENC 4212 Professional Editing
- ENC 4215 Technical Publication and Project Management
- ENC 4218 The Visual in Technical Documentation
- ENC 4262 International Technical Communication
- ENC 4265 Writing for the Computer Industry
- ENC 4275 Theory and Practice of Tutoring Writing
- ENC 4280 Professional Writing

Technical Writing courses that apply to the Gordon Rule Writing Requirement:

- ENC 1101 Composition I
- ENC 1102 Composition II
- LIT 2110 World Literature I
- LIT 2120 World Literature II
- AMH 2010 U.S. History: 1492-1877
- AMH 2020 U.S. History: 1877-Present
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II

HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WOU 2012 World Civilization I
WOU 2032 World Civilization II
Undergraduate Degree Requirements

LIT 3931 Topics in World Literature
LIT 3932 Topics in Popular Fiction
LIT 3933 Literature and Law
LIT 4043 Modern Drama as Literature
LIT 4184 Irish Literature
LIT 4233 Postcolonial Theory and Literature
LIT 4244 World Authors
LIT 4303 World War II Fiction
LIT 4374 Literature of the Bible

LIT 4374H Honors Literature of the Bible
LIT 4433 Literature of Science and Technology
LIT 4554 Advanced Feminist Theorists
MUH 3211 Music History and Literature
MUH 3212 Music History and Literature II
MUL 2010 Enjoyment of Music
MUS 4674 Health and Wellness for the Performing Musician
PAD 3733 Professional Administrative Writing in the Public Sector
PAD 4034 The Administration of Public Policy

PHH 3100 Ancient Philosophy
PHH 3200 Medieval Philosophy
PHH 3460 Modern Western Philosophy
PHH 3700 American Philosophy
PHI 3383 Research Methods in Philosophy
PHI 3383 Philosophy of Cognitive Science
PHI 3451 Philosophy of Psychology
PHI 3670 Ethical Theory
PHI 3805 Contemporary Aesthetics
PHI 4321 Philosophies of Embodiment: Mind/Body/Self
PHI 4500 Metaphysics
PHI 4804 Critical Theory
PHI 4931 Philosophy in the News
PHM 3401 Philosophy of Law
PHP 4782 Phenomenology
PLA 3155 Legal Writing
PLA 4935 Capital Legal Issues
REL 3130 Religion in America
REL 3320 Moses, Jesus, and Muhammad
REL 3432 Roots of Western Mysticism
RTV 4403 Electronic Media, Technology, and Society
THE 2000 Theatre Survey
THE 2020 Theatre Survey for Majors
THE 2304 Script Analysis
THE 3250 Sex, Drugs, and Rock & Roll Musicals
THE 3311 Theatre History and Dramatic Literature I
THE 3312 Theatre History and Dramatic Literature II
THE 3313 Theatre History and Dramatic Literature III
THE 4212 Global Theatre
THE 4230 Cultural Diversity in Theatre
THE 4423 Women in Theatre
THE 4543 Theatre for Social Change
TPA 3601 Stage Management Techniques
TPA 4401C Theatre Careers for Production
TPP 3310C Directing for Theatre I
TPP 4940L Theatre Internship
WON 2012H World Civilization I - Honors

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://commencement.ucf.edu.
Undergraduate Degree Requirements

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses

The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

In 1996, the State revised the General Provisions Rule 64-4.002, at the Bureau of Teacher Certification for the State of Florida. Any teacher in the state now can use credit correspondence courses, as appropriate, to apply toward the recertification of the teaching license. Moreover, there is no limit to the number of courses that may fulfill the requirements.

The current Catalog details enrollment procedures, fees, and course information. A copy may be obtained at no cost by calling or writing to: University of Florida, Independent Study, Suite D, 2209 NW 13th St., Gainesville, FL 32609; 352-392-1711, Ext. 200; Email: learn@nervm.nerdc.ufl.edu. Website: http://www.doce.ufl.edu.

Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Undergraduate Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
ACADEMIC DEGREES, MAJORS, AND MINORS

Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement. Students must be enrolled at UCF during the semester in which they receive the Associate of Arts degree. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from http://www.academicservices.ucf.edu/AA-degree and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

Baccalaureate Degrees
The University offers the degrees of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Design, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, Bachelor of Science in Engineering, Bachelor of Science in Nursing, Bachelor of Science in Social Sciences, and Bachelor of Social Work. These degrees are available in the following Colleges with majors or areas of specialization as indicated:

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors:
- Art, Digital Media, English, Film
- French, History, Humanities and Cultural Studies, Latin American Studies, Music, Philosophy, Religion and Cultural Studies, Spanish, Theatre Studies, Writing and Rhetoric

Bachelor of Design (B.Des.)
Major: Architecture

Bachelor of Fine Arts (B.F.A.)
Majors:
- Art, Film, Theatre

Bachelor of Music (B.M.)
Bachelor of Music Education (B.M.E.)
Bachelor of Science (B.S.)
Majors:
- Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors:
- Accounting, Business Economics, Finance, Integrated Business, Management, Marketing, Real Estate

Bachelor of Science (B.S.)
Major: Economics

College of Education and Human Performance
Bachelor of Science (B.S.)
Majors:

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors:
- Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Cp.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors:
- Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

Bachelor of Science (B.S.)
Majors:
- Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration

Bachelor of Social Work (B.S.W.)
Major: Social Work

College of Medicine
Burnett School of Biomedical Sciences
Bachelor of Science (B.S.)
Majors:
- Biomedical Sciences, Biotechnology, Medical Laboratory Sciences

College of Nursing
Bachelor of Science in Nursing (B.S.N.)
Major: Nursing

College of Optics and Photonics
Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)
Major: Photonic Science and Engineering

College of Sciences
Bachelor of Arts (B.A.)
Majors:
- Advertising-Public Relations, Anthropology, Communication & Conflict, Human Communication, International and Global Studies, Journalism, Physics, Political Science, Radio - Television, Sociology

Bachelor of Science (B.S.)
Majors:
- Biology, Chemistry, Forensic Science, Mathematics, Physics, Psychology, Social Sciences, Statistics

Rosen College of Hospitality Management
Bachelor of Science (B.S.)
Majors:
- Entertainment Management, Event Management, Hospitality Management, Restaurant and Foodservice Management

College of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)
Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies
Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Professional Selling, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>Art Education, Coaching, Early Childhood Development and Education, Community Sport and Fitness, Education, English Language Arts Education, Exceptional Student Education, Fitness Training, Human Services, Mathematics Education, Science Education, Social Science Education, Technical Education and Industry Training, World Languages Education - English for Speakers of Other Languages, World Languages Education - Languages Other Than English</td>
</tr>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
</tr>
</tbody>
</table>

### College Awarding Minor

<table>
<thead>
<tr>
<th>College of Sciences</th>
<th>Name of Minor</th>
</tr>
</thead>
</table>

### Rosen College of Hospitality Management

| Minor | Event Management, Hospitality Management |

### College of Undergraduate Studies

| Minor | Environmental Studies, Leadership Studies, World Comparative Studies |

### Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the "Intent to Graduate Form." However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog; [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
The Burnett Honors College

Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu

Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Prestigious Awards: Morgan Bauer
Director of Research and Civic Engagement: Vanessa McRae
Director of Student Services: Madi Dogariu

The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF’s most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for life-long learning.

Honors classes are small, and course work crosses traditional disciplinary boundaries to encourage critical thinking. Beyond the classroom, special guest lecturers, field trips, study abroad, research opportunities, and university-related service activities expand the horizons of Honors students.

Students in TBHC are actively involved in social activities. They also have priority registration privileges and access to the Honors Reading Room, Computer Labs, Meditation Garden, and Honors Housing.

Students may pursue Honors through two distinct programs, University Honors and/or Honors in the Major.

University Honors

Admission to University Honors is granted by TBHC to qualified incoming freshmen (FTIC) on a competitive basis. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors students must: 1) complete 4 Honors lower-division courses1; 2) complete the Honors Symposium2, and 3) fulfill upper-division Honors course requirements determined by college or major3.

By the end of the second week of the term in which a student plans to graduate with University Honors, the student must file a completed “Intent to Graduate with University Honors” form with TBHC. A student who completes all of the requirements for University Honors will have the designation of “University Honors” entered on the diploma and transcript. Note: No student with a “Z” designation on his/her final transcripts is eligible to graduate with University Honors.

Summary Table of University Honors Requirements

<table>
<thead>
<tr>
<th>Lower-division:</th>
<th>Upper-division:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symposium: IDH 1920H</td>
<td>4 courses</td>
</tr>
<tr>
<td>3 courses; Vary by College and Major (see below)</td>
<td></td>
</tr>
</tbody>
</table>

The current upper-division3 requirements are as follows:

College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Economics (B.A.) and Interdisciplinary Studies majors

1. Complete one Honors Interdisciplinary Seminar3
2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar3
3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

College of Business Administration (Excluding Economics B.A. majors)

1. Complete one Honors Interdisciplinary Seminar3
2. Complete two Honors upper-division Business courses

BUL 3130H Honors Legal & Ethical Environment of Business
FIN 3403H Honors Business Finance
MAN 3025H Honors Management of Organizations
MAR 3023H Honors Marketing

Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.
The Burnett Honors College

College of Medicine (excluding Medical Laboratory Sciences majors)
1. Complete one Honors Interdisciplinary Seminar
2. Complete two of the following Honors upper-division courses
   - BOH 403H Honors Biochemistry
   - BSC 3403C Honors Quantitative Biological Methods
   - MCB 3020C Honors Microbiology
   - MCB 4932H Honors Group Effort Applied Research
   - PCB 3063H Honors Genetics
   - PCB 3522H Honors Molecular Biology I
   - PCB 3703C Honors Human Physiology
   - PCB 4524H Honors Molecular Biology II
   - ZOO 3733C Honors Human Anatomy
   - ZOO XXXX Honors Neurobiology
   - ZOO 4704C Honors Clinical Neuroanatomy
   - ZOO 4747C Honors Clinical Neuroscience
Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.

College of Engineering & Computer Science and College of Optics & Photonics
1. Complete one Honors Interdisciplinary Seminar
2. Complete two Honors upper-division courses
   - COP 3223H Honors Introduction to Programming with C
   - COP 3502H Honors Computer Science I
   - COP 3503C Honors Computer Science II
   - COT 3100H Honors Introduction to Discrete Structures
   - EEL 3004C Honors Electrical Networks
   - EEL XXXX Honors Networks and Systems
   - ENC 3214H Honors Writing for the Technical Professional
   - EGN 3310H Honors Engineering Analysis-Statistics
   - EGN 3321H Honors Engineering Analysis-Dynamics
   - EGN 3342H Honors Thermodynamics
   - EGN 3369H Honors Structure and Properties of Materials
   - MAS 3105H Honors Matrix and Linear Algebra
   - PHY 3101H Honors Physics for Engineers and Scientists III
   - STA 3032H Honors Probability and Statistics for Engineers
Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.

1 ENC 1101 and ENC 1102 must be taken in Honors sections if the student does not have alternative credit for them at the time he/she is admitted in to the University Honors Program. Extra Upper Division course(s)/seminar(s) can substitute for Lower Division courses.
2 Honors Symposium is a mandatory two credit hour course offered for FTIC's in the Fall semester of each year. This course includes guest lectures and discussions. Honors Symposium also includes a Service-Learning component.
3 An Honors Interdisciplinary Seminar normally is an upper-division 3 credit hour course intended for all majors. Many seminars are team-taught, and present cutting-edge topics. Enrollments are limited to 20 students.

For more information about Honors requirements and advising, visit http://ooha.honors.ucf.edu

Acceptable Waivers

Please see The Burnett Honors College website at http://honors.ucf.edu/Students/Current_Students/Earning_Opportunities for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs.

Notes

Students who are pursuing University Honors in two degrees must complete an additional Upper Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.

Honors in the Major (HIM) Directed Readings courses do NOT fulfill University Honors requirements. The successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. EGN 4931H and NUR 3165H can fulfill HIM Directed Readings.

Honors in the Major

The Honors in the Major (HIM) Program is the oldest and most prestigious undergraduate research program at UCF, and is the only undergraduate research program on campus in which students undertake original and innovative research as principle investiga-

tors. In this program, students research, write, defend and publish an original Honors thesis that serves as the capstone product of their undergraduate career. This thesis is published through the university library and is available to researchers worldwide through electronic databases. The Honors in the Major Handbook that details the procedures for completing this program is available online at http://research.honors.ucf.edu/honors-in-the-major.

Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students who meet the eligibility requirements must obtain an application from the Office of Research and Civic Engagement in The Burnett Honors College. Students must also be supported by a UCF faculty member and seek approval from their Department Chair before submitting their application materials.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and completion of at least three hours of Directed Readings course work, and the completion of at least three hours of Honors Thesis. Nursing majors can take NUR 3165H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the Thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Chair and at least two committee members must be tenured or tenure-earning faculty. The student must receive a grade of at least “B” in all Honors in the Major course work to complete Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement (ORCE) the semester before their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a “Z” designation on his/her final transcript is eligible to graduate with Honors in the Major. If you have any questions about these requirements, please contact ORCE at 407-823-6402 or honorsresearch@ucf.edu.

Burnett Research Scholars

The Burnett Research Scholars Program (BRS) is designed to help students identify and work with a faculty mentor in an area of shared interest and then to assist with the preparation of a faculty-mentored research proposal. In order to be a Burnett Research Scholar, students must submit a grant application and be selected to receive funding. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for fall, winter, or summer semester research. Students seeking more information about BRS should visit http://research.honors.ucf.edu.

If you have any questions about BRS or the grants program, please contact the Office of Research and Civic Engagement in BHC 102 or by phone at 407-823-6402.

Office of Prestigious Awards

The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Fulbright, Goldwater, and Truman scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community.

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a presti-

gious scholarship or fellowship are encouraged to contact OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 107A.
College of Arts and Humanities

Dean: TBA
CAH 190; 407-823-2251
http://www.cah.ucf.edu/

Executive Associate Dean: Lyman Brodie
CAH 190; 407-823-2251
Associate Dean: Lynn Hepner
CAH 190; 407-823-2251
Assistant Dean: Rudy McDaniel
CAH 190; 407-823-2251
Assistant Dean: Nancy Stanlick
CAH 190; 407-823-2251
Assistant Dean: Cathy Radzai
CAH 190; 407-823-2251

The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing and Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women’s and Gender Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts, which offers degrees in Music and Theatre. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies.

For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean's office by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs

Prelaw Program

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with approximately three-fourths of the course work representing theory content is typically suggested. Majors such as English, History, Legal Studies, Philosophy, Sociology, Writing and Rhetoric, and Political Science meet this criterion. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that the Law School Admission Test (LSAT) be taken prior to consideration for admission. General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-law Advisor.

Advisement of pre-law students will be provided in the area where a major is chosen. For example, a pre-law student who desires to emphasize the historical foundations should seek advisement in the Department of History; for emphasis in political science advisement should be sought in the Department of Political Science in the College of Sciences; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; and emphasis in Legal Studies can be pursued in the Departments of Criminal Justice and Legal Studies in the College of Health and Public Affairs.

Advisement

College of Arts and Humanities Student Advising (CAHSA)

Director: Delia Garcia
CNH 201; 407-823-3112
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAHSA is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. Questions concerning the requirements within a major should be directed to the department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

Although suggested curricula are available in most areas, students will plan their program in consultation with a faculty advisor appointed by the major department.

Area Studies Programs

Area Studies programs are multi-disciplinary programs that focus on specific regions or cultural groups. UCF has eight area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Middle Eastern, Russian, and Women’s Studies. Although the academic home of these programs is the College of Arts and Humanities, faculty and students from across the entire university may participate in them. These programs may be elected as minors by students majoring in any discipline within the university. For more information about the programs and contact numbers of the program directors, see the list below.

Director: Lyman Brodie
CAH 190; 407-823-2251

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Nancy Stanlick; 407-823-2161
Asian Studies - Contact: Humberto Lopez; 407-823-2472
Judaic Studies - Contact: TBA; 407-823-5129
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617, or Alla Kourova; 407-823-2472
Women’s and Gender Studies - Contact: Maria Santana; 407-823-2269

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes.

Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

Title                   Degree
Africana Studies        Minor
American Studies         Minor
Architecture             BA, BFA, Minor, MFA
Art                     Minor
Asian Studies           Minor
Cinema Studies (Film)   Minor
Community Arts - PAVE    Minor
Dance                   Minor
Digital Humanities      Minor
Digital Media           BA, MA, Minor
Diplomacy               BA, MA, Minor, MFA
English                 BA, MA, Minor, MFA
Film                    BFA, MFA
Florida Studies         Minor
French                  BA, Minor
Gender Studies          Certificate
History                 BA, MA, Accelerated MA, Minor
Humanities and Cultural Studies BA, Minor
Italian                 Minor
Judaic Studies          Certificate, Minor
Latin American Studies  BA, Minor
Middle Eastern Studies  Minor
Music                   BA, BM, MA, Minor
Music Education         BME
Performing Arts         Minor
Administration          Minor
Philosophy              BA, Minor, Certificate
Photography             BS
Pre-Law in the Humanities Minor
Religion and Cultural Studies BA, Minor
Russian Studies         Minor
Spanish                 BA, MA, Minor
Spanish for Health Professionals Certificate
Spanish for the Legal World Certificate
Teaching English as a Foreign Language (TEFL) Certificate
Teaching ESL            MA
Theatre                 BA, BFA, MA, MFA, Minor
Translation and Interpretation Certificate
Women’s and Gender Studies Minor
Writing and Rhetoric    BA, Minor, Certificate

Departments and Programs

Africana Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.cah.ucf.edu/

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology,
Anthropology, Film, Theatre, and the Sciences. The program's interdisciplinary approach emphasizes the artistic and intellectual traditions of African Americans, and is dedicated to developing expertise and knowledge of the black experience in the African Diaspora.

**Degrees:** None  
**Tracks:** None  
**Minors:** Africana Studies

**American Studies: Program**
**Contact:** Nancy Stanlick  
CAH 190; 407-823-2161

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

**Degrees:** None  
**Tracks:** None  
**Minors:** American Studies

**Asian Studies: Program**
**Contact:** Humberto Lopez  
CNH523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (Anthropology, Art History, Economics, English, Modern Languages, History, Humanities, Philosophy, Political Science).

**Degrees:** None  
**Tracks:** None  
**Minors:** Asian Studies

**Community Arts—PAVE: Program**
**Program Director:** Byron Clercx  
VAB 117; 407-823-3145

A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for students who are majoring in Art, Music, Theatre, or English.

**Degrees:** None  
**Tracks:** None  
**Minors:** Community Arts

**Department of English**
**Chair:** Trey Philpotts  
CNH 405; 407-823-5596

Email: english@ucf.edu

http://www.english.cah.ucf.edu/

**Faculty:** Angley, Applen, Bartkevicius, Beck, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Glasshoff, Gleyzon, Grajeda, Hasenat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanna, Oliver, Philpotts, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Stap, Stephens, Telep, Thaxton, Trouard, Uttich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffhorst

The Department of English is responsible for the effective teaching of language and literature in English, including World Literature, Linguistics, rhetoric, and creative, expository, and technical writing. Students may concentrate in creative writing, technical communication, or literature. The Department serves the broad needs of the University with course offerings in writing and literature for students from other departments. The department has a Technical Documentation Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration in degree plans.

**Degrees:** English (BA, MA), Creative Writing (MFA)  
**Tracks:** Literature, Creative Writing, Technical Communication  
**Minors:** Creative Writing, Digital Humanities, Florida Studies, Literature, Linguistics, Medieval/Renaissance, Technical Communication

**Department of History**
**Chair:** TBA  
CNH 551B; 407-823-2225

Email: history@ucf.edu

http://history.cah.ucf.edu/

**Faculty:** Adams, Beiler, Cassanello, Clark, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Larson, Lester, Lyons, Martinez-Fernandez, Murphy, Nair, O’Shea, Ozogul, Pineda, Sacher, Solonari, Walker, Walters, Zhang; Faculty Emeriti: Colbourn, Crepeau, Leckie-Reed, Pauley, Shofner

History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.

Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.

The Department participates in the programs in Women’s Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

**Degrees:** History (BA, MA, Accelerated MA)  
**Tracks:** None  
**Minors:** Diplomacy, Florida Studies, History, Middle Eastern Studies, Pre-Law in the Humanities, Russian Studies

**Judaic Studies: Program**
**Program Director:** TBA  
CNH 415 E-J; 407-823-5039 or 823-5129

Email: judaiciel@ufc.edu  
http://www.judaicstudies.cah.ucf.edu

**Faculty:** Hanson, Pelli

The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political, and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.

The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

**Degrees:** None  
**Tracks:** None  
**Minors:** Judaic Studies  
**Certificates:** Judaic Studies

**Latin American Studies: Program**
**Program Director:** Consuelo Stebbins  
CNH 122; 407-823-1173

Email: latinamerica@ucf.edu  
http://las.cah.ucf.edu/

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers including, but not limited to education, government, journalism, foreign
College of Arts and Humanities

service, social and community service, international trade, and public relations.

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Chair: Geri Smith
CNH 523; 407-823-2472
Email: flfacult@ucf.edu
http://mll.cah.ucf.edu/


The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)
Tracks: None
Minors: Asian Studies, French, Italian, Russian Studies, Spanish
Certificates: Spanish for Health Professionals, Spanish for the Legal World, TEFL, Translation

Department of Philosophy
Chair: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Beever, Cash, DiBernardo, Evans, Faveila, Fiore, Garbayo, Gleig, Jain, Jones, Kuan, Mundale, Park, Ravela, Schippert, Shrubsole, Stanlick, Strawser, Viaz, Faculty Emeriti: Congdon, Flick, Kassim

The Department of Philosophy offers a Philosophy major, a Religion and Cultural Studies major, and a Humanities and Cultural Studies major, as well as minors in Philosophy, Humanities and Cultural Studies, Religion and Cultural Studies, and Cognitive Sciences. The Department requires all majors to receive advisement prior to registering each semester. Majors should schedule appointments with their departmental advisor. For any course used to satisfy a requirement (including electives) of the Philosophy major, the Humanities major, and Religious Studies, a grade of “C” or better must have been received.

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities and Cultural Studies (BA)
Tracks: None
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

Department of Writing and Rhetoric
Interim Chair: Stephanie Vie
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bowdon, Breckle, Bryan, Calkins, Cavanagh, Ethridge, Gaiibreath, Gonrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Jones, Kyle, Launier, Martin, Owens, Pinkert, Pompos, Richardson, Ringfield, Rozen, Roussaville, Scott, Stack, Stewart, Taylor, Tripp, Vie, Walls, Weaver, Wheeler, Wright, Zemiansky

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional digital and civic writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and Writing Across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA), Writing and Rhetoric (BA)
Tracks: None
Minors: Writing and Rhetoric,
Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts
Director: Jeffrey Moore

Music:
PAC M203; 407-823-2869; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Sigma Chapter of MENC, and ACDA, and Music Student Advisory Council.

Degrees: Music (BA, MA), Music Education (BME), Music Performance (BM)
Tracks: Music Performance, Composition, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chicurel, Heil, Helsingor, Horn, Ingram, Cartonoix, Listengarten, Lynch, McDonald, Niess, Reed, Rusnock, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Thomas, Tollefsen, Weaver, Wood; Professor Emeritus: Seay, Smith

The Theatre unit seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the
Degrees and staff.

The Department of Theatre strives to create professional theatre. Internships are an invaluable introduction providing them with a unique experience to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students. It is the department's mission to serve as a cultural resource for the University, the community and the Central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre.

The Women’s and Gender Studies program offers an interdisciplinary minor and a certificate in Women’s and Gender Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student’s Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

Degrees: Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

Tracks: Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

Minors: Art History, Community Arts – PAVE, Digital Media, Film-Cinema Studies, Studio Art

Women’s and Gender Studies: Program

Program Director: M.C. Santana
CNH 122; 407-823-6502
Email: womenst@ucf.edu
http://wgst.cah.ucf.edu/

Faculty: Bubriski, Preston-Sidler, Santana

The Women’s and Gender Studies program offers an interdisciplinary minor and a certificate in Women’s and Gender Studies in cooperation with several departments, programs, and schools. The program examines women’s roles in and contributions to past and present societies, and provides practical and theoretical knowledge about women’s and gender issues.

Degrees: BA (Interdisciplinary Studies)

Tracks: Women’s Studies Track in Interdisciplinary Studies

Minors: Women’s and Gender Studies

Certificate: Gender Studies

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187

Assistant Dean: Darrell Johnson
BA2 101; 407-823-3493

Vision

#UCFBusiness will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward

While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities. As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Pre-Major

Admission to the University of Central Florida does not equate to admission to the College of Business Administration (CBA). The CBA is a selective admission college. Students must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core at UCF or an AACSB accredited institution. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   - Or if pre-accounting ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful in any business endeavor. It is important that students strive to thoroughly learn the material in this coursework as academic performance in the Primary Business Core is used to meet admission to the major standards.

The GEB 3003 Career Research and Planning course is designed to help students align their major and career interest. In this course students take self-assessments to identify career-related skills and interests. Based on their results, students perform research to identify and learn about a target career, target company(ies), and target entry-level jobs.

All of the above requirements (numbers 1-5) must be completed before beginning any Business Major.

How to Select Your Major

Now you are ready to select a business major based upon your interests and skills identified in the GEB 3003 class, and your experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, Finance, Management, and Marketing majors, interested candidates must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five courses. Additionally, a grade of at least a B+ “3.0” is required in the introductory course of your desired major and a minimum grade of C+ “2.0” is required in all Primary Core courses. Upon admission into the Accounting, Finance, Management, and Marketing majors, students must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 GPA in the College to successfully complete the degree.

Admission to the Economics, Integrated Business, and Real Estate majors requires completion of the five Primary Business Core classes with a minimum GPA of 2.0, and a minimum grade of C+ “2.0” in the introductory course of the desired major. Upon admission into the Economics, Integrated Business, and Real Estate majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree. For more information on these requirements, visit: http://business.ucf.edu/undergraduate-programs/.

After receiving admission to a major, students will complete major coursework, the Secondary Business Core and the remaining three courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to ensure that you have a solid understanding of the various functions of business and the environment in which the enterprise operates. The Secondary Business Core culminates with our “Great Case Competition” which is part of our Strategic Management Course (MAN 4720) and has become a signature experience for all business students:
   a. GEB 3375: Introduction to International Business (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business (3 credit hours)
   c. MAR 3203: Supply Chain Management (3 credit hours)
   d. MAN 4720: Strategic Management/Capstone (3 credit hours)

2. The Professional Development Sequence: Students must also complete the professional development sequence that began with GEB 3003. The goal of the Professional Development curriculum is that students will research potential career opportunities and take steps to secure employment prior to graduation.
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

Student Load

A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Per University policy, students may take a maximum of 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term.

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and State colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2011), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses with a minimum grade of C+ “2.0” or better will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

2. Subject to the general grade and residency requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.

3. It is expected that all incoming transfer students, regardless of intended business major, will upon admission to the university have successfully completed the General Education Program and the Business Common Program prerequisites. Transfer students will attend an orientation session that will provide information regarding university and college policy, program requirements, and college culture.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.

5. Courses transferred must be formally evaluated for equivalency credit. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

6. The Business Primary Core courses must be taken at UCF or an AACSB accredited institution. Additionally, professional courses, in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance, should not be taken at a community/junior college. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/state college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement

Office of Professional Development
Assistant Dean: Darrell Johnson
BA2101; 407-823-3493

The Office of Professional Development (OPD) is the primary office for undergraduate assistance in Academic and Career Counseling in the College of Business Administration. Any questions concerning university and College academic policies affecting Business majors should be directed to the Office of Professional Development staff in BA 210 or by calling 407-823-2185. Visit OPD’s home page at: http://business.ucf.edu/centers-institutes/office-of-professional-development/.

Programs and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BSBA, MSA</td>
</tr>
<tr>
<td>Business Administration</td>
<td>MBA, Ph.D.</td>
</tr>
<tr>
<td>Economics</td>
<td>BS, BSBA</td>
</tr>
<tr>
<td>Finance</td>
<td>BSBA</td>
</tr>
<tr>
<td>Integrated Business</td>
<td>BSBA, MSM</td>
</tr>
<tr>
<td>Management</td>
<td>BSBA, MSM</td>
</tr>
<tr>
<td>Human Resource Management Track</td>
<td>BSBA, MSM</td>
</tr>
<tr>
<td>Business Analytics Track</td>
<td>BSBA, MSM</td>
</tr>
<tr>
<td>Marketing</td>
<td>BSBA</td>
</tr>
<tr>
<td>Real Estate</td>
<td>BSBA, MSRE</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA

College of Business Administration
College of Business Administration

Departments and Programs
Kenneth G. Dixon School of Accounting

Director: G. Trompeter
BA1 325D; 407-823-2871
Assistant Chair: J. Reinking
BA1 430; 407-823-4874
Assistant to Director: M. Hampton
BA1 326; 407-823-5678

Faculty: Allen, Arnold, Baudot, Demek, Dennis, Durham, Goldwater, Guerra-Pujol, Hampton, Hornik, Johnson, Kellhier, Pozieiski, Reinking, Robb, Roberts, Rosenthal, Roush, Smith, Sutton, Tian, Trompeter, Wallace, York

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching and research excellence.
- Numerous scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of our accounting programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA; MSA, Ph.D.)
Minors: Accounting (for Finance majors only)

Department of Economics
Chair: W. Milon
BA2 305-D; 407-823-3266;
Email: economics@ucf.edu

Faculty: Alpanda, Aysun, Braun, Caputo, Das, Dickie, Gibbs, Guldi, Hoffer, Milon, Paarsch, Schmidtauer, Scrogin, Soskin, Underwood

Faculty Advisors:
David Scrogin
BA2 302U, 407-823-4129, Email: David.Scrogin@ucf.edu;
M. Caputo
BA2 302Q, 407-823-1405
N. Underwood
BA2 302N, 407-823-1403

Economic issues are prominent in business and government decision-making. Inflation, employment, health care, economic growth, pollution, poverty, and international economic relations are a few important economic issues. The primary strength of Economics is that it provides a logical, ordered way of analyzing a wide variety of problems. Undergraduate education in Economics equips individuals to understand and seek solutions to problems in business, public policy, and other areas.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BS degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BS Program is to provide a broad-based liberal education that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and provide the analytical skills that will allow solve problems.

Distinctive Benefits
- Opportunity for strong quantitative and analytical training.
- Excellent preparation for law school and graduate school admission.
- Strong preparation for high-paying careers.
- Flexible Curriculum: Students tailor the program to their individual interests through a large selection of electives.
- Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.
- Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.

Degrees: Business Economics (BSBA), Economics (BS)
Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate

Chair and Director: A. Singh
BA1 427; 407-823-5756
Assistant Chair: P. Gregg
BA1 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gregg, Harris, Harrison, Lu, Oh, Ramanial, Resch, Singh, Strum, Turnbull, Whyte, Zhang

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits
- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

Degrees: Finance (BSBA), Real Estate (BSBA)
Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management
Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Becker, Bennett, Blencoe, Boettcher, Cleaver, Combs, Crosseley, Dagher, De George, Felger, Ford, Goodman, Harris, Jarley, Jones, Joseph, Kutkut, McKenny, Nichols, O’Donnell, O’Neal, Pape, Piccolo, Porter, Quinn, Rockmore, Saunders, Schminke, Taylor, Wang, Whiting

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

The curriculum is designed to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for Management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, person-
Distinctive Benefits
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A "hands-on," applied focus in our courses.

Degrees: Management (BSBA), Human Resources Management (MS)

Minors: Entrepreneurship, Technological Entrepreneurship
Certificate: Entrepreneurship

Department of Marketing
Chair: Ronald E. Michaels
BA2 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Bhardwaj, Desiraju, Gundy, He, Jami, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Michaels, Quaintance, Steiger, Stock, Wang, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 18 hours. This course of study provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits
- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer—you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club.

Degrees: Marketing (BSBA)
Tracks: Marketing Management, Professional Selling
Minor: Marketing, Professional Selling

Integrated Business Program
Director: J. Gilkeson
BA2 222; 407-823-0390

Faculty: Baz, Buhagiar, Connell, Ellis, Gilkeson, Henry, Leo, Mayfield-Garcia, Tamberelli, Valdez, Viggiano

The mission of the Integrated Business degree program is to provide a high quality, hands-on business education for UCF students that emphasizes soft-skills development, has a content focus on small and medium size, privately held businesses, and develops well-rounded multi-disciplinarians who will thrive in an environment that requires them to take on multiple roles and responsibilities for their employer.

Distinctive Benefits
- Unique program found only at UCF.
- Up-to-date source material that replaces most textbooks with free online content.
- Use of the flipped classroom approach in all course work.
- Emphasis on soft skills development, including business ethics, critical thinking, decision making, leadership, negotiations, oral presentation professionalism, teamwork, technology, and written communication.
- Taught face-to-face on main campus and four regional campuses (Valencia West, Sanford-Lake Mary, Osceola, and Brevard)—avoid expensive, time consuming commutes!
- Focus on the small and medium size, privately held firms who hire 40% of UCF’s business graduates.
- Integrated Business Faculty members have decades of real world work and business ownership experience.
- Opportunities to participate in internships, student competitions, and student organizations.

Degrees: Integrated Business (BSBA)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Graduate Affairs:
Rose Taylor, 407-823-2016

Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-0329

Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance

- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with seventeen Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLive
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
- Institute of Exercise Performance and Wellness
- Ph.D. in Exercise Physiology ranked 6th in the nation by the National Academy of Kinesiology
- Undergraduate research opportunities
Admission to the College of Education and Human Performance

Admission to the College will be granted when students meet the following requirements:
- Complete the University General Education requirements or an equivalent (i.e., an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Be classified as education pending until admission requirements are met and a change of major request has been submitted.
2. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education and Human Performance admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
3. Be advised by the College of Education and Human Performance Undergraduate Advising office (ED 110) if their major is Elementary Education or Education Pending. Advising sessions may be scheduled by calling 407-823-3723.
4. Be assigned to an academic advisor in the area of their major upon completion of College of Education and Human Performance admission requirements. The advisor’s name and email address appear in myUCF to assist students in making an advising appointment.
5. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education and Human Performance based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising office if a “Pending” major, to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View their Degree Audits through myUCF;
3. Register at scheduled appointment times in myUCF. Students must complete any changes to their schedules by the end of the published Add/Drop period;
4. Utilize LiveText software based upon program requirements; and
5. File an on-line “Intent to Graduate Form” by the end of the term prior to the term in which graduation is intended.

Office of Undergraduate Affairs and Partnerships
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement
The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences
Assistant Director: Jodie Nichols
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexp/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early site-based experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

Students must be aware that criminal records may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences. Once applications are approved by the Office of Clinical Experiences, students must register themselves for the internship course and co-requisites (if applicable).

Application deadlines for all internships are:
- February 15 for Fall semester
- September 15 for Spring semester

Internship I
Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and Human Performance and who meet the following additional requirements at the time of application:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75) or better in all prerequisite methods/spécialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by the published deadlines.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
Internship II

Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic advisor. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student's last semester.

Admission to Internship II

Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional and Subject Area)
- Possess a minimum overall GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
- Complete a formal application for Internship II by the published deadline
- Be recommended by the faculty of the department of the student's major
- Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission

Recruitment and Retention Program

Coordinator: Caroline Pratt Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

Minority Teacher Recruitment and Retention Program (MTRRP)

The Minority Teacher Recruitment and Retention Program (MTRRP) is designed to recruit and retain diverse students as they prepare for a teaching career in education. MTRRP provides future educators with financial assistance, academic support, and professional development. Each student admitted into the program is paired with a faculty/staff mentor in the college.

Program Objectives

- Recruit and retain diverse students interested in joining the teaching profession
- Promote academic excellence and foster professional development
- Provide service learning opportunities
- Encourage community engagement

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF College of Education and Human Performance as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application by the deadline
- Complete 20 hours of community service for each semester the scholarship is received

Application deadlines:

- July 1 for Fall semester
- November 15 for Spring semester

Undergraduate Advising

Director: Undergraduate Affairs: Andrea Small
ED 110; 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at registration.ucf.edu. Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

Graduation Requirements

To qualify for graduation, a student must successfully complete all coursework to include a minimum overall GPA of 2.5 (2.75 for Early Childhood Development and Education majors), a minimum 2.5 GPA in all specialization courses, and a minimum 2.5 GPA in professional preparation courses. In addition, students in state-approved initial teacher preparation programs must pass all applicable sections of the Florida Teacher Certification Exam (FTCE) and complete a portfolio according to program guidelines.

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium

The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences

Chair: Glenn Lambie
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E 407-823-6579


The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offered include: Career and Technical Education; Counselor Education & School Psychology; Early Childhood Development and Education; Exceptional Student Education; and Higher Education & Policy Studies.

See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/cfcs.

Department of Educational and Human Sciences

Chair: Jay R. Hoffman
ED 209-B; 407-823-2595
Coordinator II: Linda Alexander
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) offers courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one baccalaureate level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching or Human Performance. The Department also offers a number of graduate programs and provides graduate courses in educational research, measurement and statistics, Instructional Design and Technology and Sport and Exercise Science. The Sport and Exercise Science program also offers a Ph.D. in Exercise Physiology.
School of Teaching, Learning and Leadership

Director: Michael Hynes
ED 209-D; 407-823-1768
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrator /Academic Coordinators:
Lindsay Archambault
ED 206-F; 407-823-2881
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-F; 407-823-0303
Elizabeth Hoffman
ED 220J; 407-823-4833


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, in the areas of Elementary Education, Secondary Education and Educational Leadership. The Elementary Education program has a track designed for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track). Upon completion of the Elementary Education – Education Track, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (Spanish). The Educational Leadership master’s programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendency.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
College of Engineering and Computer Science

Dean: Michael Georgiopoulos  
HEC 114; 407-823-2156  
http://www.cecs.ucf.edu

Associate Dean for Academic Affairs: Charles Reilly  
ENG1 107; 407-823-2455

Associate Dean for Research and Administration:  
Ranganathan Kumar; ENG2 202; 407-823-2156

Director, Academic Affairs: Kim A. Small  
ENG1 107; 407-823-2455

Director, College Honors Programs: Charles Reilly  
ENG1 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi  
ENG1 281; 407-823-3466

Undergraduate Majors and Degrees

- Aerospace Engineering  
- Civil Engineering  
- Computer Engineering  
- Computer Science  
- Construction Engineering  
- Electrical Engineering  
- Environmental Engineering  
- Industrial Engineering  
- Information Technology  
- Mechanical Engineering

Accelerated BS/MS Degree Program

All of the Engineering and Computer Science departments except for the Department of Civil, Environmental, and Construction Engineering and the Information Technology Program are offering an Accelerated BS/MS degree program which will allow students of high academic standing to complete an MS degree at an accelerated pace. The generic rule for students in this program is that they will be allowed to use up to twelve hours of selected 5000 and 6000 level courses with a grade of "B" or higher toward fulfillment of both the BS and MS degree requirements. Interested individuals should see the program descriptions in the graduate and undergraduate catalogs. They may also contact the department Undergraduate Coordinator and/or Graduate Coordinator if they have any further questions.

College Mission Statement

Our Mission is to provide high-quality, broad-based education and experience-based learning in engineering and computer science; to create knowledge through pioneering scholarship and impactful research; to enrich our students' development and leadership skills; and to address pressing local, state, national, and international issues in support of the global community.

Our college is able to attract students who are remarkably bright and talented. They come to our college to learn and become the technological leaders of tomorrow. Our Engineering and Computer Science faculty are some of the best and brightest that one can find anywhere. They share with our students the excitement of discovery and creative research as they teach the problem solving and leadership skills that prepare our students to be productive members of society.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of six engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Computer Science (CS) Department, the Electrical and Computer Engineering (ECE) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science and Information Technology programs are accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

College Vision

Our Vision is to be recognized as one of the premier Colleges of Engineering and Computer Science locally, nationally, and internationally. While we are aware of the need to maintain our fundamental capabilities, we will pursue new opportunities in teaching, research, and outreach by leveraging UCF’s strengths in innovative partnerships, effective interdisciplinary research, and a commitment to excellence, inclusiveness, and diversity.
The Honors Program in the College of Engineering and Computer Science

The engineering and computer science leaders of tomorrow must not only have impeccable technical credentials, but must also be able to provide strong leadership within the general community in which they live. With this in mind, the Honors Program in the College of Engineering and Computer Science offers outstanding undergraduate engineering and computer science majors an enriched educational, technical, professional, and cultural experience that significantly augments the basic curricula. Honors students comprise academically superior students who commit, upon acceptance into the program, to do broad as well as advanced work in a chosen area.

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the section on the University Honors Program found in The Burnett Honors College section of this catalog); and 2) the Honors in the Major Program (HIM).

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who desire to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

In order to be admitted to the Honors in the Major program, the student must:
1. Have at least 60 credit hours, including at least 12 graded, upper division credit hours at UCF.
2. A minimum UCF GPA of at least 3.20 in all upper division courses.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership, Engagement and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG2 211; 407-823-2844
http://www.cece.ucf.edu
Faculty: Abdel-Aty, Abou-Senna, Al-Deek, Catbas, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Mayo, Medeiros, Nam, Nnadi, Olufa, Radwan, Randall, Reinhart, Sadmani, Singh, Tatar, Wang, Whittaker, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnV), and Construction Engineering (BSCOnE).

The Civil Engineering Program

The Civil Engineering Program is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design teams. The prerequisites needed for the various project courses are

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Educational Objectives

The Civil Engineering Program

1. To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

2. A recommendation by a sponsoring faculty member. Exceptions to the eligibility criteria may be made by the College Honors Committee in individual cases, upon recommendation by a sponsoring faculty member.

3. To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership, Engagement and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG2 211; 407-823-2844
http://www.cece.ucf.edu
Faculty: Abdel-Aty, Abou-Senna, Al-Deek, Catbas, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Mayo, Medeiros, Nam, Nnadi, Olufa, Radwan, Randall, Reinhart, Sadmani, Singh, Tatar, Wang, Whittaker, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnV), and Construction Engineering (BSCOnE).

The Civil Engineering Program

The Civil Engineering Program is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design teams. The prerequisites needed for the various project courses are

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:
1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Civil Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
College of Engineering and Computer Science

The Construction Engineering Program
The Environmental Engineering Program

Mission
The Environmental Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Construction Engineering Program
The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Program Educational Objectives
Within the first several years following graduation, graduates should:

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering
The faculty of the Civil, Environmental, and Construction Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Civil, Environmental, or Construction Engineering desiring to obtain a double degree shall meet the following requirements:

The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

The mission statement and objectives for the Civil Engineering, Environmental Engineering, and Construction Engineering programs are electronically posted and routinely updated. More information on the Civil, Environmental, and Construction Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.

The same catalog year must be used for both degrees.
Completion of requirements for both degrees must be in the same semester.
The same catalog year must be used for both degrees.
The student must have a minimum of 150 credit hours. Any credit hours taken beyond the degree requirements for both degrees (to satisfy the 150 credit hour minimum) must come from the approved technical electives list for the additional degree.
Civil Engineering Major Pursuing Environmental Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 24 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: A Bio-logical Science (3hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (4hrs), and an Environmental Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, EGN 3343, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of Civil Engineering requirements.

Civil Engineering Major Pursuing Construction Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 19 additional hours to earn a Bachelor of Science Construction Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: CCE 4004 (3hrs), CCE 4034 (3hrs), CCE 4402 (3hrs), CCE 4810C (3hrs), CCE 4813 (4hrs), and ACG 2071 (3hrs).

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 21 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CEN 3xxx (3hrs), CEN 3501C (3hrs), CEN 3700C (2hrs), TTE 3810 (3hrs), CWS 4100C (4hrs), Depth Area Courses (6hrs), and a Civil Design course (3hrs). Students will have completed EGN 3343, CWR 4xxx (Hydrology) or CWR 4xxx (Hydrogeology), ENV 4531, and ENV 4561 as part of the Environmental Engineering requirements.

Department of Computer Science

Chair: Gary T. Leavens
HEC 437D; 407-823-5373
http://www.cs.ucf.edu

Faculty: Abdallah, Angell, Bagci, Bassiouini, Boloni, Chatterjee, da Vitoria Lobo, Dechew, Deo, Elva, Fontaine, Forooosh, Glinos, Gong, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, LaViola, Leavens, Liu, Llewellyn, Marinescu, Montagne, Nedorost, Orochi, Pat-tanaik, Qi, Shah, Stanley, Sukthankar, Szumlanski, Turgut, Wang, Whitlinger, Wiozak, Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition to the bachelor's degree programs, the division offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communicative and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to achieve these goals by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolvability and fault tolerance, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, quantum computing, and virtual reality.

Research facilities are organized around laboratories directed by faculty members. Facilities in these laboratories change rapidly and are generally funded through external research grants, supplemented by grant matching and startup funds. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the Computer Science home page at http://www.cs.ucf.edu/.

Mission

The mission of the Computer Science program is to educate majors in the principles and practices of computer science, preparing them for graduate school, for careers in software development and computing systems technology, and for a lifetime of learning.

Program Educational Objectives

1. CS graduates participate as effective and productive team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications in their chosen careers.

2. CS graduates demonstrate the knowledge and skills to do advance studies and research in computer science and related engineering and scientific disciplines.

Student Outcomes

a. Apply knowledge of computing and mathematics appropriate to the discipline; specifically to include the application of mathematical sciences and engineering to solve and reason about computational problems.

b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.

c. Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.

d. Function effectively on teams to accomplish a common goal.

e. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.

f. Communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.

g. Analyze the local and global impact of computing on individuals, organizations and society.

h. Recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.

i. Use current techniques, skills, and tools necessary for computing practices.

j. Apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.

k. Apply design and development principles in the construction of software systems of varying complexity.

l. Demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.

m. Demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program

The Information Technology (IT) program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web server design. The program provides students a strong conceptual core, which will prepare students to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in programming, technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to communicate in the parlance of the industries in which they choose to work.

Mission

The mission of the Bachelor of Science in Information Technology Degree Program is to educate students in the science and practices of information technology, preparing them for a lifetime of learning and for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
Program Educational Objectives
The objectives of the Information Technology Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for career advancement in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Student Outcomes
By graduation each student should be able to:

a. Apply knowledge of computing and mathematics appropriate to the discipline.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
d. Function effectively on teams to accomplish a common goal.
e. Understand professional, ethical, legal, security and social issues and responsibilities.
f. Communicate effectively with a range of audiences.
g. Analyze the local and global impact of computing on individuals, organizations, and society.
h. Recognize the need for and an ability to engage in continuing professional development.
i. Use current techniques, skills, and tools necessary for computing practice.
j. Use and apply current technical concepts and practices in the core information technologies.
k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
l. Integrate IT-based solutions effectively into the user environment.
m. Understand best practices and standards and their application.
n. Assist in the creation of an effective project plan.

Department of Computer Science Policies and Procedures
The Department’s website (http://www.cs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

Department of Electrical and Computer Engineering
Chair: Zhihua Qu
HEC 439C; 407-823-5942

Faculty: Abdolvand, Abichar, Atia, Batarseh, Behai, Chan, DeMara, Edison, Elashhab, Fahim, Fan, Georgiopoulos, Gong, Haralambous, Jin, Jones, Kim, Lin, Liou, Malocha, Mikhail, Qu, Rahnavard, Sinnaan, Suboh, Sun, Sundaram, Vousohi, Wahid, Wang, Weekes, Wei, T. Wu, Yuan, Zhou

The Electrical and Computer Engineering Department offers baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BScPe). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CpE), and Doctor of Philosophy (Ph.D.), are also offered (see online Graduate Catalog).

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004C, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, oral presentation, professional issues such as ethics, safety and environmental impact are also covered in the design courses. The design projects required in the design course sequence address real-life problems, and the students work in a team setting. Also, several projects are developed jointly with our industrial partners.

The Computer Engineering Program
The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4742C and EEL 4768), Computer Science I (COP 3502C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the CpE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.
2. Graduates will pursue advanced studies in the areas of computer engineering.
3. Graduates demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Computer Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3342C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/energy electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, and implementation of the principles and practices in Electrical Engineering.

Program Educational Objectives
The objectives of the EE Program at UCF are that:

1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.
2. Graduates will pursue advanced studies in the areas of electrical engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.


### Student Outcomes

Graduates of the Electrical Engineering program should attain:

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in lifelong learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continually updated. More information on the Computer and Electrical Engineering programs can be found on the home page at [http://www.ece.ucf.edu](http://www.ece.ucf.edu).

### Department of Electrical and Computer Engineering Policies and Procedures

The Department's website ([http://www.ece.ucf.edu](http://www.ece.ucf.edu)) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ's) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send email and letters, or make phone calls to faculty members and administrators.

### Department of Industrial Engineering and Management Systems

**Chair:** Waldemar Karwowski  
**ENG2 312; 407-823-2204; Fax: 407-823-3413**

**Faculty:** Biehl, Boginski, Calabrese, Elshennawy, Hoekstra, Karwowski, Kolnour, Lee, McCaulley, Mollaghasemi, Proctor, Rabelo, Reilly, Thompson, Zheng

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost analysis in EIN 3351, to work methods and process flows in EIN 3314, and to facilities design and layout in EIN 4364. The design experience concludes with a real-world sys-tem design in the capstone course EIN 4981.

### Mission

To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging careers in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

### Program Educational Objectives

Within the first several years following graduation, Graduates should:

1. Be successfully employed in challenging or satisfying positions in the public or private sector.
2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.
3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

### Student Outcomes

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.
b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.
c. Students will have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
d. Students will have an ability to function on multidisciplinary teams.
e. Students will have an ability to identify, formulate and solve engineering problems.
f. Students will have an understanding of professional and ethical responsibility.
g. Students will have an ability to communicate effectively.
h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.
i. Students will have a recognition of the need for, and an ability to engage in lifelong learning.
j. Students will have a knowledge of contemporary issues.
k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.


### Department of Materials Science and Engineering

**Interim Chair:** Sudipta Seal  
**ENG1 207; 407-882-1455; Fax: 407-882-1462**

**Faculty:** An, Coffey, Fang, Fenton, Florczyk, Jiang, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate materials science and engineering courses for students in the College of Engineering and Computer Science. In addition, the Department of Materials Science and Engineering offers an undergraduate minor in Materials Science and Engineering. The department houses interdisciplinary programs with core courses leading to the Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Materials Science and Engineering. Materials Science and Engineering provides a broadly-based foundation in designing, processing and manufacturing, properties and performance of soft and hard materials in engineering.

The department strives to meet the requirements for professional certifications and research in materials science and engineering with foundational course work and emphasis on hands-on laboratories and independent research experience. MSE seeks to convey an under-
standing of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to "materialize" the design process to solve modern and relevant socio-economic challenges.

Details of facilities available for teaching and research may be found by following links from the MSE home page at http://www.mse.ucf.edu/.

Mission: Department of Materials Science and Engineering
The mission of the Department is to serve the industrial and academic needs of the University, the State of Florida, the nation and the international community by providing materials scientists and/or engineers with

- Ability to use fundamental and applied knowledge and the skills of the discipline to perform effectively in a broad range of industrial, governmental, and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focus as lifelong learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering
Chair: Yoav Peles
ENG 307; 407-823-2416; Fax: 407-823-0208

The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical Engineering. The Aerospace Engineering program is designed to provide a broad-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, and heat transfer. Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and design optimization which culminates in the senior capstone design courses. The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering
In support of the University and College, the mission of the Aerospace Engineering program is to provide the highest quality engineering education through cooperative efforts with regional aerospace industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the aerospace engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of aerospace engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission: Mechanical Engineering
In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives
1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering
The faculty of the Mechanical and Aerospace Engineering Department believe that a double degree from the department should reflect a significant achievement and a significant increase in knowledge and formal coursework above the requirements for a single degree. Any undergraduate in Mechanical and Aerospace Engineering desiring to obtain a double degree shall meet the following requirements.
Approved Departmental Technical Electives.

Aerothermodynamics Propulsion Systems (3hrs) and 4 credit hours of:
- EAS 3101: Fundamentals of Aerodynamics (3hrs)
- EAS 3810C: Mechanical Systems Laboratory (3hrs)
- EML 3101: Thermodynamics of Mechanical Systems (3hrs)
- EML 4300: Design and Analysis of Machine Components
- EML 4301C: Intermediate Dynamics of Mechanical Systems (3hrs)
- EML 4306C: Energy Systems Lab (3hrs)
- EML 4313: Intermediate Dynamics and Controls (3hrs)
- EML 4413: Heat Transfer II (3hrs)
- EML 4703: Fluid Mechanics II (3hrs)

Students must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4504: Design and Analysis of Machine Components II (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4413: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

AdditionalElectives:
- EML 3500: Design and Analysis of Machine Components
- EML 4200: Design and Analysis of Machine Components II
- EML 4504: Design and Analysis of Machine Components
- EML 4313: Intermediate Dynamics of Mechanical Systems
- EML 4300: Aerothermodynamics Propulsion Systems (3hrs)
- EML 4413: Heat Transfer II (3hrs)

Mechanical Engineering Major Pursuing Aerospace Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Design and Analysis of Machine Components. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4504: Design and Analysis of Machine Components II (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs), or EML 4413: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Aerospace Engineering Major Pursuing Mechanical Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Aerospace Experiments (3hrs), EAS 4200: Design and Analysis of Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Aerothermodynamics Propulsion Systems (3hrs) and 4 credit hours of the same catalog year must be used for both degrees.

The student shall meet all major requirements for each degree.

Additional 22 credit hours beyond the major courses for the double degree should be upper level engineering related courses work approved by the department.

The same catalog year must be used for both degrees.

The student must have a minimum of 150 credit hours.

**Additional notes:**
- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student’s transcript.

At least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce their citizen of origin if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29.
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waiverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFOQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Have a cumulative GPA of 2.5 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Qualify to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

**Leadership Laboratory**

Leadership Laboratory is an AFROTC-only required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as deter-mined by the Professor of Aerospace Studies.

**Physical Conditioning**

In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus at least three days each week.

**Air Force ROTC Scholarship Program**

Scholarships are competitively awarded and typically vary from two to four years. Depending on state residency status and credit hour load, scholarships may provide for full tuition and fees. Air Force ROTC scholarships do not provide funds for room and board expenses, and certain grants or other college funding programs may reduce or elimi-nate available AFROTC scholarship payments. This information is always subject to change and is based on current guidance from HQ.

**Monetary Allowance**

All scholarship and contract cadets receive a monthly, tax-free mon-etary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the students’ academic classification. See the Air Force ROTC home page at [http://www.afrotc.com](http://www.afrotc.com) for current rates.

**Summer Training**

All students must complete a summer Field Training (FT) course conducted at Maxwell Air Force Base in Montgomery, AL. FT typically occurs between a cadet’s sophomore and junior years, prior to their enrollment in the POC. The course is generally 24 days in length. The curriculum at FT includes junior officer training, officer career orientation, physical conditioning, and training for operations in austere forward deployed locations.

**Officer Commissioning**

Students who complete the POC are appointed as Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they serve a minimum active duty tour which
vars in length depending on their particular career area. Obligations are explained by detachment officers in detail during one-on-one counseling sessions conducted with each candidate.

**Army ROTC (Military Science)**

**Chair:** LTC David Jones  
**Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324**  
http://army.ucf.edu

Faculty/Staff: MAJ Barajas, MSG McSwain, CPT Lehman, CPT Silva, SFC Owen, SFC Flanagan, SSG Farrell, MAJ Ramsey, SFC Mackey, SFC Reyes, John Gano, Garrett Bell, Reinaldo Morales, Lisa Brown, Fernando Tubens, George Leonard, and Bettina Baca Mackey.

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment. This program offers students a guaranteed position with the US Army. The program offers both a four-year and two-year option for students who have completed either the Baccalaureate or Graduate degree. Program now offers 4, 3, and 2 year scholarship options. The four-year option requires completion of one military science course and a leadership laboratory that must be taken in conjunction with the academic class every year. The two-year option allows students with at least two academic years remaining to complete their degree studies and meet all requirements for commissioning by receiving placement credit for the first two years (Basic Course) and completing the last two years (Advanced Course). Students may be eligible for the Army’s Simultaneous Membership Program (SMP) which combines Reserve Officer Training Corps (ROTC) officer training courses on campus. Note: The Army retains sole discretion - in accordance with public law and military regulation - regarding whether or not any applicant is qualified for pre-commissioning education through Army ROTC. More information on the AROTC program can be found on the AROTC Department home page: http://army.ucf.edu.

**Curriculum**

The Military Science curriculum is designed to develop students’ leadership potential and improve students’ planning, organizational, and managerial skills. The on-campus curriculum is divided into two phases: Basic Military Science Course and Advanced Military Science Course.

1. **Basic Military Science**

   A. The Basic Military Science Course consists of four semesters of classroom instruction of two hours each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications, and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Leadership Development Training Exercise (LDTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.

   B. Requisites for admission to the Basic Course:

   - Enrollment in a Baccalaureate or Master’s degree program
   - Full-time student status

2. **Advanced Military Science**

   A. The Advanced Military Science courses (MSL 31201C, MSL 3202C, MSL 4301C, MSL 4302C) consist of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Cadet Leaders Course at Fort Knox, Kentucky, normally between their junior and senior years.

   B. Requisites for Admission to the Advanced Course:

   - Successful completion of Basic Course or placement credit.
   - Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34).
   - Successful completion of an Army physical examination.
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer.
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours).
   - US Citizen.
   - A minimum cumulative GPA of 2.8 is required for STEMS and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 is required for scholarship consideration.

3. **Monetary Allowance**

   All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. **Scholarships**

   Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. **Placement Credit**

   Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. **Daytona Beach Campus Students**

   These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

**Summer Training Courses**

1. **Basic Course Summer Training (Cadet Initial Entry Training)**

   Under the two-year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. **Specialized Summer Training Courses**

   Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include:

   a) Airborne Training;  
   b) Air Assault Training;  
   c) Northern Warfare Training;  
   d) Cadet Troop Leadership Training;  
   e) Mountain Training.

3. **Cadet Leaders Course (CLC)**

   All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership potential and potential. CLC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend CLC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:  
http://oeas.ucf.edu/academiclearningcompacts.html
College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Academic Affairs and Technology: Ross Wolf
HPA1 365, 407-823-0171

Associate Dean, Administration and Faculty Affairs: Dawn Oetjen
HPA1 365, 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

The College of Health and Public Affairs houses seven departments and schools: the School of Social Work, the School of Public Administration, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, and Health Management and Informatics.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor’s Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@ucf.edu

The College of Health and Public Affairs Undergraduate Student Services assists undergraduate students in understanding college and university requirements and procedures as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to stay on track by taking the appropriate prerequisite requirements. Advisors are available through the Outreach Program for students on probation or for those who are having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

<table>
<thead>
<tr>
<th>Major</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>BS</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>BA, BS, MA</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>BA, BS, MS</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>BS</td>
</tr>
<tr>
<td>Health Care Informatics</td>
<td>MS</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>BS, MS</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>BA, BS</td>
</tr>
<tr>
<td>Nonprofit Management</td>
<td>MNM</td>
</tr>
<tr>
<td>Public Administration</td>
<td>BA, BS, MPA</td>
</tr>
<tr>
<td>Public Affairs</td>
<td>PhD</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>DPT</td>
</tr>
<tr>
<td>Research Administration</td>
<td>MRA</td>
</tr>
<tr>
<td>Social Work</td>
<td>BSW, MSW</td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>MSURP</td>
</tr>
</tbody>
</table>

Department of Communication Sciences and Disorders
Chair: Richard Zraick
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/csd

Clinic Director: Debra Knox
3280 Progress Drive, Suite 500; 407-882-0468

Faculty: Camaby, Carson, Cosby, Crary, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Fix, Harrington, Harvey, Hoffman-Ruddy, Hostetler, Kent-Walsel, Knox, Kong, Matura, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Towson, Troche, Utt, Varryckegeheim, Whiteside, Zraick

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is preprofessional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to provide the necessary background for those who seek careers in health and human services; and 3) to allow those who graduate with a Bachelor’s degree required coursework to obtain licensure and employment as speech-language pathologists assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The
graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers courses in American Sign Language and related topics.

**Degrees:** Communication Sciences and Disorders (BA, BS, MA) PhD in Education, Communication Sciences and Disorders Track

**Tracks:** None

**Minors:** Communication Sciences and Disorders

**Certificates:** Language Development and Disorders

### Department of Criminal Justice

**Interim Chair:** Catherine Kaukinen  
HPA2 311 407-823-2603

**Faculty:** Adams, Baker, Bohm, Childs-Fisher, Craig, Eastep, Flint, Gau, Henderson, Holmes, Humiston, Lucken, Mahan, Malendevech, Matusiak, Moreto, Nobles, Paoline, Peck, Potter, Randall, Rosky, Ross, Sanborn, Stewart, Surette, Watkins, Winton, Wolf, Woodward

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service and private sector organizations. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

**Degrees:** Criminal Justice (BA, BS, MS, PhD)

**Tracks:** Scholars Track

**Minors:** Criminal Justice

**Program:** Senior Scholar Program

**Certificates:** Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

### Department of Health Management and Informatics

**Chair:** Reid Oetjen  
HPA2 210; 407-823-2359

**Faculty:** Chisholm, Cortelyou-Ward, Elswick, Falen, Gabriel, Burpur, Liu, Malvey, Noblin, D. Oetjen, R. Oetjen, Raffenaud, Ramirez, Robertson, Rotarius, Ton, Unruh, Walden, Wan, Wessel, West, Whetstone

The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

### Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists, while other students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, telecommunications, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as mixed mode format.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

### Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to the management, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HiIM Program is a limited access program and requires a separate application to the program by March 1 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).

### Department of Health Professions

**Interim Chair:** Kristen Schellhase  
HPA2 118/119; 407-823-2214

**Faculty:** Beato, Dawson, Gual, Hanney, Levine, Marian, Pabian, Plant, Rothschild, Rovito, Saleh, Schellhase, Schulz, Smith, Tucker, Webster, Worrell

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, and a minor in Health Sciences.

### Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

**Degrees:** Athletic Training (BS)

**Tracks:** None

**Minors:** None
Program in Health Sciences-Pre-Clinical Track
The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

Degrees: Health Sciences (BS)
Tracks: Health Sciences and Pre-Clinical
Minors: Health Sciences

School of Public Administration
Director: Naim Kapucu
HPA2 238; 407-823-2604

Faculty: Abels, Bryant, Feldheim, Fennessey, Hawkins, Hu, Jurie, Kapucu, Knox, Korosec, Krick, Lawther, Liu, Mitchell, Rogers, Seigler, Smith, Stephens, Yu, Zavattaro

The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public administration, nonprofit management, urban and regional planning, emergency management and homeland security and research administration in the public sector. The public sector is vast and includes over 22 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services contracting through nonprofit organizations. The School prepares students for professional careers in public service at the city, county, state and federal levels in nonprofit organizations and private organizations that provide services for government. Currently the public sector in the United States includes over 90,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degree in Public Administration enables students to attain entry level positions in government nonprofit organizations, and other organizations that provide services for government. Those seeking senior management and executive positions are strongly encouraged to pursue the Master’s of Public Administration (MPA), the Master’s of Nonprofit Management (MNM), the Master’s of Science in Urban and Regional Planning (MSURP), or the Master’s of Research Administration (MRA). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA), Nonprofit Management (MNM), Research Administration (MRA), Urban and Regional Planning (MSURP)
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Management National Certification from the Nonprofit Leadership Alliance

Undergraduate Certificates: Nonprofit Management
Graduate Certificates: Public Administration, Nonprofit Management, Fundraising, Urban & Regional Planning, Research Administration, Emergency Management & Homeland Security

Aging Studies
Children's Services
Emergency Management & Homeland Security
National Certification from the American Board of Emergency Management
Urban and Regional Planning
Research Administration
Public Administration
Nonprofit Management

Graduate Programs: Master of Science in Urban and Regional Planning, Master of Research Administration, Master of Public Administration, Master of Nonprofit Management

If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

Degrees: Social Work (BSW, MSW)
Tracks: None
Minors: Aging Studies
Certificates: Aging Studies, Children’s Services

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at:
http://oeas.ucf.edu/academiclearningcompacts.html
College of Medicine
Vice-President for Medical Affairs and Dean: Deborah C. German
6850 Lake Nona Blvd., Suite 313, Orlando, FL 32827-7408
407-266-1000
http://www.med.ucf.edu
Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-266-7011

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the third largest undergraduate program in the university, B.S. in Biomedical Sciences, that meets the admission requirements for medical and other health professional school programs. The Burnett school is an integral part of the College of Medicine, making it a research-intensive medical school where cutting-edge medical research spans the entire spectrum from laboratory bench to bedside. BSBS is home to quality programs in the bio-medical sciences as well as vigorous research programs focused on cancer, cardiovascular, neurological, and infectious diseases. The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. The college’s medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The mission of the Burnett School of Biomedical Sciences is to provide quality undergraduate and graduate programs in the biomedical sciences and build vigorous research programs. In addition to conducting cutting-edge research in biomedicine with potential application to curing major diseases, BSBS is committed to helping develop a technology-based industry in Florida. Active partnerships formed with other units such as the College of Optics and Photonics, the School of Electrical Engineering and Computer Science and the Nanoscience Technology Center will facilitate interdisciplinary research and education programs in the innovative application of photonics, bioinformatics and nanoscience to biomedical problems.

The Burnett school is educating over 2,800 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology and Molecular and Cellular Biology. BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and has increased the number of admitted students annually to a level that will produce 120 medical graduates each year. The current enrollment is approximately 460 M.D. students.

In addition to multiple facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D., Minor</td>
</tr>
<tr>
<td>Biomedical Sciences (Pre-professional Concentration)</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
</tr>
</tbody>
</table>

College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all. Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.

Vision
The University of Central Florida College of Medicine aspires to be the nation’s premier 21st century college of medicine.
The UCF College of Medicine will be a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education, health care, and research.

Goals
- Excel in medical and biomedical education
- Excel in research and discovery in: biomedical sciences, medical education, and health care
- Provide outstanding, innovative, patient-centered care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Achieve a diversified self-sustaining infrastructure to support future operations

Burnett School of Biomedical Sciences

Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-823-5932
Associate Director of Undergraduate Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-2914
Associate Director of Graduate Affairs (Burnett School of Biomedical Sciences): Saleh Naser
BMS 221; 407-823-0955
Associate Director, Academic Support Services (Burnett School of Biomedical Sciences): Greg Norris
BMS 101N; 407-266-7009

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, and the Biomolecular Science Center.

Program in Biomedical Sciences

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator (M.S. program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Coordinator (Ph.D. Program): Steve Ebert
BBS 420; 407-266-7047

The core curriculum in the baccalaureate program, with its broad and thorough background in the physical, computational, and life sciences, provides a solid foundation in concepts and applications of modern biology to contemporary and future problems. The Restricted Electives component of the baccalaureate program allows each student to enhance his/her academic preparation in areas of morphological, clinical, analytical or investigative applications. Two new tracks were initiated this year for the Biomedical Sciences B.S.: Molecular Microbiology and Molecular and Cellular Biology. Students are also encouraged to gain research experience and exposure to specialized topics not taught in formal courses through the directed research and independent study contracts with selected faculty. This thorough, but flexible, program provides an excellent preparation for industry, graduate education, and for the four-year health science professions (medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry).

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.)

Tracks: None

Minors: Biomedical Sciences

Program in Biotechnology

Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

To meet the demand for highly trained scientists in the biotechnology workforce, the Burnett School of Biomedical Sciences now offers a Bachelor of Science degree in Biotechnology. This new degree program prepares students to function in the industrial biotechnology/biomedical environment, providing them with more “hands on” laboratory experiences and opportunities for research. These students will be provided an industrial perspective and an understanding of product development at the same time as they are trained in the molecular techniques required for such development.

Degrees: Biotechnology (B.S., M.S., M.S./M.B.A.)

Tracks: None

Minors: None

Program in Medical Laboratory Sciences

Director: Dorilyn Hitchcock
HPA2 339; 407-823-5220

Medical laboratory scientists are involved in medical diagnosis, patient treatment, health screening, laboratory management, research, and laboratory education. They use highly sophisticated analytical equipment for the examination of blood and body fluids.

The curriculum is designed to give students a thorough background in the physical and biological sciences; to develop the necessary laboratory skills and essential skills to assume leadership roles in management and education. It also prepares students in the development of a high level of proficiency in correlating clinical data.

The last two years of sequential courses constitute the upper division professional phase of the program. The Medical Laboratory Sciences class size to be selected is determined by the availability of space and equipment, as well as available spaces in the clinical facilities.

The Medical Laboratory Sciences is a limited access program that requires a separate application to the program. Preference will be given to those who apply by March 1st, but applications will be accepted until the class is filled.

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)

Tracks: None

Minors: None

Office of Student Services and Advisement (OSSA)

Director: Amanda Colee
HPA2 335A; 407-823-5932
Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5787;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
Email: BSBSAdvising@ucf.edu

The Office of Student Services and Advisement (OSSA) is the primary office for undergraduate academic advisement in the Burnett School of Biomedical Sciences. OSSA assists Biomedical Sciences, Biotechnology, and Medical Laboratory Sciences students in orientation, registration, university policies and procedures, major requirements, course substitutions, and graduation certification. Students interested in pursuing the Medical Laboratory Sciences limited access program, should meet with an advisor or the Program Director for more information.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oas.ucf.edu/academiclearningcompacts.html
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The Concurrent ASN to BSN program is a partnership between selected Florida College System institutions and UCF College of Nursing to allow simultaneous enrollment in both associate and baccalaureate nursing programs. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasis includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are primarily on line with some face to face classes offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research. It is offered in a mostly online format with two intensive on campus meetings per year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN, MSN, and DNP programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access programs and require a separate application to the College of Nursing.

Programs and Degrees

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)

Tracks: Basic BSN, Accelerated BSN degree, RN-BSN, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor's Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

Academic Advisement

Office of Undergraduate Student Services
UTWR 3rd floor; 407-823-2744
Email: ucfnurse@ucf.edu
[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

The College of Nursing Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: [http://oeas.ucf.edu/academiclearningcompacts.html](http://oeas.ucf.edu/academiclearningcompacts.html)
CREOL, The College of Optics and Photonics
Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu
Associate Dean for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817
Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu
Faculty: Abouraddy, Amezcua-Correa, Aregenti, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Gelfand, Glebov, Gaume, Hagan, Han, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Renshaw, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Soileau, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree
Photonic Science and Engineering BSPSE

College Vision
Be the nation’s leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries, and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.
College Organization

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 full-time research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/ photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program. The undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FCPE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonics devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

Bachelor of Science in Photonics Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work together as a small design team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so that they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives

1. Graduates will grow in their role as photonic scientists and engineers in society leading to leadership within the profession.
2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
3. Graduates will pursue life-long learning in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes

Upon graduation, graduates will have:

1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. The ability to function on multidisciplinary teams.
5. The ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. The ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.
9. Recognition of the need for, and the ability to engage in life-long learning.
10. Knowledge of contemporary issues.
11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement

The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program

Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:
http://oecas.ucf.edu/academiclearningcompacts.html
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics along with the Nicholson School of Communication. In addition, the college houses several additional academic and research units, including the Arboretum, Global Perspectives, the Lou Frey Institute of Politics and Government, the National Center for Forensic Science, and iSTEM (Initiatives in Sciences, Technology, Engineering, and Mathematics).

The College is responsible for programs in the behavioral and social sciences, the communication sciences, the analytic and computational sciences, and the physical and life sciences. The departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas. For information concerning graduate programs, please refer to the Graduate Catalog:

http://www.cos.ucf.edu

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, most programs require that a student achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major (see “Foreign Language Requirements” under specific program requirements).

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

Advisement

College of Sciences, Advising Services (COSAS)

Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

The College of Sciences Advising Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
Programs and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
<th>Minors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actuarial Science</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Advertising-Public Relations</td>
<td>BA</td>
<td></td>
</tr>
<tr>
<td>Anthropology</td>
<td>BA, MA</td>
<td>Minor</td>
</tr>
<tr>
<td>Anthropology of Global Health</td>
<td>Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Anthropology in Multicultural Studies</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Astronomy</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Behavioral Forensics</td>
<td>Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>BS, MS</td>
<td>Minor</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>PhD</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>BS, MS, PhD</td>
<td>Minor</td>
</tr>
<tr>
<td>Chemistry-Biochemistry</td>
<td>BS Track</td>
<td></td>
</tr>
<tr>
<td>Civics Teaching</td>
<td>Certificate</td>
<td></td>
</tr>
<tr>
<td>Clinical Psychology</td>
<td>MA</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>MA</td>
<td></td>
</tr>
<tr>
<td>Communication and Conflict</td>
<td>BA</td>
<td></td>
</tr>
<tr>
<td>Computer Forensics</td>
<td>Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Conservation Biology</td>
<td>PSM, PhD, Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Corporate Communication</td>
<td>Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Crime Scene Investigation</td>
<td>Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Crime, Law, and Deviance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diplomacy</td>
<td>Minor, Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Diversity &amp; Social Inequality</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>European Studies</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Forensic Science</td>
<td>BS, MS</td>
<td></td>
</tr>
<tr>
<td>Global Peace &amp; Security Studies</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Health Communication</td>
<td>Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Human Communication</td>
<td>BA, Minor</td>
<td></td>
</tr>
<tr>
<td>Industrial/Organizational Psychology</td>
<td>MS</td>
<td></td>
</tr>
<tr>
<td>Intelligence and National Security</td>
<td>Minor, Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>International &amp; Global Studies</td>
<td>BA, Minor</td>
<td></td>
</tr>
<tr>
<td>Journalism</td>
<td>BA</td>
<td></td>
</tr>
<tr>
<td>Journalism Studies</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Magazine Journalism</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Mass Communication</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Mass Culture &amp; Collective Behavior</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Mathematical Biology</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>BS, Graduate Certificate, MS, PhD</td>
<td>Minor</td>
</tr>
<tr>
<td>Maya Studies</td>
<td>Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Medical Anthropology</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Medical Sociology</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Nanoscale Science and Technology</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Native American Studies</td>
<td>Undergraduate Certificate</td>
<td></td>
</tr>
<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>BA, BS, MS, PhD, Minor</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
<td></td>
</tr>
<tr>
<td>Political Science-Pre Law</td>
<td>BA Track, Minor</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
<td></td>
</tr>
<tr>
<td>Radio-Television</td>
<td>BA</td>
<td></td>
</tr>
<tr>
<td>SAS Data Mining</td>
<td>Graduate Certificate</td>
<td></td>
</tr>
<tr>
<td>Security Studies</td>
<td>PhD</td>
<td></td>
</tr>
<tr>
<td>Social Sciences</td>
<td>BS</td>
<td></td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
<td></td>
</tr>
<tr>
<td>Terrorism Studies</td>
<td>Minor</td>
<td></td>
</tr>
</tbody>
</table>

They are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

**Degrees:** Anthropology (BA, MA)

- **Minors:** Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies

**Certificates:** Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

Department of Chemistry

**Chair:** Cherie Yestrebsky
**PS:** 255; 407-823-2246
**Email:** chemstaff@ucf.edu

http://chemistry.cos.ucf.edu/

**Associate Chair and Undergraduate Coordinator:** Pedro Patino

Please see the department website for a listing of the department's faculty and staff.

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the student for graduate opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacy, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

**Degrees:** Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

**Tracks:** Biochemistry (BS, MS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)

**Minors:** Chemistry
Nicholson School of Communication
Director: TBA
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

Assistant Director: Boyd Lindsley
NSC 240A; 407-823-6751
Nicholson Academic Student Services Center (NASSC)
NSC 143; 407-823-2681
Email: nassc@ucf.edu

Please see the department website for a listing of the department's faculty and staff.

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Human Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a mobile and digital journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

Facilities
The Nicholson School of Communication building (NSC) provides a superior teaching/learning facility, including multi-media instructional classrooms. The Radio-Television program has fully-equipped audio and video production facility, a complete multi-camera television studio, an online radio station and laboratories for interactive multimedia. The Journalism program has a computer writing and media lab. The Advertising-Public Relations program has a computer writing and media lab. The Human Communication program has a presential speaking classroom equipped for audio/video record/playback and computerized visual presentation. The Human Communication program also has a small group and interpersonal research laboratory equipped with research equipment and audio/video record/playback tools.

Degrees: Advertising-Public Relations (BA), Communication (MA), Communication and Conflict (BA), Human Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Generalist, Electronic Journalism, Print/ Digital Journalism, Production
Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication
Certificate: Corporate Communication (graduate)

Department of Mathematics
Chair: Xin Li
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu

Associate Chair and Undergraduate Coordinator: Joseph P. Brennan
MSB 202; 407-823-2710

Please see the department website for a listing of the department's faculty and staff.

The Department of Mathematics offers courses and programs leading to a Bachelor of Science in Mathematics, a minor in Mathematics, a Graduate Certificate in Mathematics, a Master of Science in Mathematical Science and a Ph.D. in Mathematics. (See the Graduate Studies catalog for a description of the M.S. in Mathematical Science and the Ph.D. in Mathematics.) The programs in mathematics are designed to serve:

1. Students who desire to pursue careers in mathematics after having completed a baccalaureate degree;
2. Students who desire to continue their education in graduate and professional schools; and
3. Students who need to use mathematics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Mathematics have developed along several lines. The Department offers service courses in pre-calculus and calculus along with strong programs in the upper division in the areas of algebra and analysis as well as the areas of applied and computational mathematics.

The department does not award credit by examination for courses that are regularly taught. Students who have mastered the material in a given course are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology

Department of Physics
Chair: TBA
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/

Associate Chair: Joshua Colwell
PS 434; 407-823-2012
Undergraduate Coordinator: Elena Flitsiyan
PS 430; 407-823-2325

Please see the department website for a listing of the department's faculty and staff.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions which are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

The Department's research programs include optics and lasers, condensed matter physics, complex systems, biophysics, atomic and molecular physics, nanostructures, and planetary science. The Department of Physics also offers a Master of Science degree and a Doctor of Philosophy degree.

Degrees: Physics (BA, BS, MS, PhD)
B.S. Specializations: General, Materials Physics, Optics & Lasers, Computational, and Astronomy
B.A. Specializations: Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, and Technical Writing
Minors: Astronomy, Nanoscale Science and Technology, Physics

Department of Political Science
Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/

Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Paul Vasquez
PH 302; 407-823-2608

Please see the department website for a listing of the department's faculty and staff.
College of Sciences

The Department of Political Science seeks to:
1. Provide students with a broad background for careers in foreign and domestic public service and in the private sector where knowledge of government and politics is necessary;
2. Provide students with a broad background in pre-law to facilitate their admission to law school;
3. Prepare students for teaching, research, and graduate study in Political Science;
4. Provide a broad background for careers in politics; and
5. Educate citizens and promote their active interest in public affairs.

Students should plan their major or minor in consultation with their department advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:
- Asian Studies: Contact Houman Sadri or Myunghee Kim
- Diplomacy: Contact Roger Handberg
- Environmental Studies: Contact Peter Jacques
- European Studies: Contact Kerstin Hamann or Barbara Kinsey
- Global Peace and Security Studies: Contact Paul Vasquez
- International and Global Studies: Contact Paul Vasquez
- Latin American and Iberian Studies: Contact Bruce Wilson
- Middle Eastern Studies: Contact Houman Sadri
- Space Studies: Contact Roger Handberg
- Terrorism Studies: Contact Paul Vasquez
- Women’s Studies: Contact Terri S. Fine

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)

Tracks: Prelaw

Minors: Political Science, Political Science/Prelaw, Diplomacy, Global Peace and Security Studies, European Studies, International and Global Studies, Civics Teaching, Intelligence and National Security

Certificates: Diplomacy

Department of Psychology
Chair: Jeffrey Cassisi
PSY 301L, 407-823-2216
Email: psychinfo@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: Barbara Fritzschke
Associate Chair for Research: Deborah Beidel
Assistant Chair and Director of Undergraduate Programs: Alisha Janowsky
Director of Undergraduate Advising: Karen Cox

Please see the department website for a listing of the department’s faculty and staff.

The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so that students can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: Elizabeth Mustaine
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.cos.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzine

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu.

Degrees: Sociology (BA, MA, PhD), Social Sciences (BS)
Tracks: Domestic Violence (MA)
Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics
Chair: Shunpu Zhang
CCIL 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department’s faculty and staff.

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)
Tracks: Data Mining (MS)
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://oeas.ucf.edu/academiclearningcompacts.html
The College of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Health and Pre-Law Advising, the EXCEL program, and Academic Advancement Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu

This office is responsible for administering State of Florida and University academic policies pertaining to academic record changes, curriculum file management, the degree audit program, and University-wide undergraduate academic policies and graduation requirements. The primary goals of the office are to apply these policies fairly, promptly and evenly according to established guidelines; to provide a timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

Bachelor of Applied Science
Vice Provost and Dean: Elizabeth A. Dooley
MH 218; 407-823-2373
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
The Interdisciplinary Studies Program offers students the opportunity to pursue interdisciplinary studies through individually planned programs of study with professional advising and courses from across the university. The degree includes three different tracks from which to choose. There are also three minors and two certificate programs.

Degrees: Interdisciplinary Studies (BA, BS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies,
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism, Service Learning

EXCEL Program
Director: Melissa Dagley
MSB 230; 407-823-6230
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Office
Director: Anna Maria Jones
CL1 206; 407-823-1342
http://undergrad.ucf.edu/qep/

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing a university-wide, multi-year initiative that seeks to improve student learning outcomes. The 2016 Quality Enhancement Plan topic is What’s Next: Integrative Learning for Professional and Civic Preparation. The Quality Enhancement Plan Office actively supports faculty and staff development and funds curricular and co-curricular projects that promote integrative learning.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://oas.ucf.edu/academiclearningcompacts.html
Rosen College of Hospitality Management

Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu

Associate Dean: Robertico Croes;
9907 Universal Boulevard, Suite 231-A; 407-903-8000
Associate Dean: Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

Faculty: Altin, Black, Breiter, Bunn, Bufquin, Chen, Croes, Dickson, Fjellatul, Florsheim, Friderich, Fryall, Fu, Hagglund, Hahm, Hara, Hogg, Hua, Hutchinson, Gregory, Judy, Juge, Jung, Kang, Kaufman, Kizildig, Kwun, Lavendol, Logan, Lynch, Mejia, Milman, Murphy, Okumus, Ozturk, Park, Pizam, Richards, Rivera, Ro, Semrad, Severt, Singh, Tasci, Terry, Torres, Van Niekerk, Wang, Whitney, Wilson, Weinland, Wei, Weissberg, Yost

The hospitality industry is the second largest employer in the United States and represents the majority of the economy's rapidly growing service sector. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry and beyond. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

Over 55 million tourists visit Orlando each year, an international destination with over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As the most visited location in the United States, Orlando's hospitality & tourism industry is the region's largest employer, supplying approximately 360,000 jobs with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills and abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that's transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant and Food Service Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
- Access to global hospitality organizations that serve one of the world's premier tourist destinations.
- Extensive ties to top leaders in the Orlando area hospitality industry.
- A number of scholarships provided through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A highly engaged faculty with vast industry knowledge and connections.
- A work requirement that provides students with practical experiences in the hospitality industry.
- Outstanding internship opportunities.
- A modern food production laboratory and beer and wine laboratory completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Entertainment Management (BS), Hospitality Management (BS), Restaurant and Food Service Management (BS)

Tracks: Theme Park and Attraction Management; Golf and Club Management, Lodging Operations, Professional Tennis Management

Minor: Hospitality Management; Event Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/academiclearningcompacts.html
## UCF Degree Programs

<table>
<thead>
<tr>
<th>Accounting</th>
<th>Science Education - Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advertising - Public Relations</td>
<td>Science Education - Chemistry</td>
</tr>
<tr>
<td>Aerospace Engineering</td>
<td>Science Education - Physics</td>
</tr>
<tr>
<td>Aerospace Engineering - Accelerated Undergraduate-Graduate Program</td>
<td>Social Science Education</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>Architecture</td>
<td>Sociology</td>
</tr>
<tr>
<td>Art - History Track</td>
<td>Spanish</td>
</tr>
<tr>
<td>Art - Studio Track</td>
<td>Sport and Exercise Science</td>
</tr>
<tr>
<td>Art - Visual Arts and Emerging Media Management Track</td>
<td>Statistics</td>
</tr>
<tr>
<td>Art - B.F.A. - Emerging Media Track</td>
<td>Technical Education and Industry Training</td>
</tr>
<tr>
<td>Art - B.F.A. - Studio Art Track</td>
<td>Theatre - Acting Track</td>
</tr>
<tr>
<td>Art Education</td>
<td>Theatre - Design and Technology Track</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>Theatre - Musical Theatre Track</td>
</tr>
<tr>
<td>Biology</td>
<td>Theatre - Stage Management Track</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>Theatre Studies</td>
</tr>
<tr>
<td>Biomedical Sciences - Preprofessional Concentration</td>
<td>UCF Legal Studies/Barry Law/Touro Law Accelerated Legal Studies Degree Program</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>World Languages Education - Spanish</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Writing and Rhetoric</td>
</tr>
<tr>
<td>Chemistry - Biochemistry Track</td>
<td></td>
</tr>
<tr>
<td>Civil Engineering</td>
<td></td>
</tr>
<tr>
<td>Communication &amp; Conflict</td>
<td></td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td></td>
</tr>
<tr>
<td>Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program</td>
<td></td>
</tr>
<tr>
<td>Computer Engineering</td>
<td></td>
</tr>
<tr>
<td>Computer Engineering - Accelerated Undergraduate-Graduate Program</td>
<td></td>
</tr>
<tr>
<td>Computer Science</td>
<td></td>
</tr>
<tr>
<td>Computer Science - Accelerated Undergraduate-Graduate Program</td>
<td></td>
</tr>
<tr>
<td>Construction Engineering</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice Scholar’s Track</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice - A.S. to B.S. Track</td>
<td></td>
</tr>
<tr>
<td>Digital Media</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Development and Education Track 2: Early Childhood Development</td>
<td></td>
</tr>
<tr>
<td>Early Childhood Development and Education Track 3: Early Childhood Careers</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td></td>
</tr>
<tr>
<td>Economics, Business</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td></td>
</tr>
<tr>
<td>Electrical Engineering - Accelerated Undergraduate-Graduate Program</td>
<td></td>
</tr>
<tr>
<td>Elementary Education</td>
<td></td>
</tr>
<tr>
<td>English - Creative Writing</td>
<td></td>
</tr>
<tr>
<td>English - Literature</td>
<td></td>
</tr>
<tr>
<td>English - Technical Communication</td>
<td></td>
</tr>
<tr>
<td>English Language Arts Education</td>
<td></td>
</tr>
<tr>
<td>Entertainment Management</td>
<td></td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>Event Management</td>
<td></td>
</tr>
<tr>
<td>Film - B.F.A.</td>
<td></td>
</tr>
<tr>
<td>Film - Cinema Studies Track</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td></td>
</tr>
<tr>
<td>Forensic Science - Analysis Track</td>
<td></td>
</tr>
<tr>
<td>Forensic Science - Biochemistry Track</td>
<td></td>
</tr>
</tbody>
</table>
under requirements 2, 3, 4, 5 and 6 below.

• Students must earn a "B" or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

Admission Requirements

• Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.

• Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least “B” (3.0) in ACG 3131, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.

• See Common Program Prerequisites.

• A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements

• Students who change degree programs and select this major must adopt the most current catalog.

• Students wanting to major in Accounting must apply for admission to the major.

• Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

• For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.

• A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.

• Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed as an Accounting major and/or College of Business student. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

• Students must earn a “B” or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.
7. Foreign Language Requirements

Admissions
- Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
- Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Take all of the following sequences:
- ACG 4903H Honors Directed Reading I or 3 hrs
- ACG 4904H Honors Directed Reading II 3 hrs
- ACG 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 credit hours

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

Junior Year - Fall
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3381 Cost Accounting I 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Business Elective 3 hrs
- Elective 2 hrs

Senior Year - Fall
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3033 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- Business Elective 3 hrs
UCF Degree Programs

Senior Year - Spring 13 hrs
TAX 4001 Taxation of Business Entities and 3 hrs
Transactions
ACG 4651 Auditing 3 hrs
ACG 4803 Advanced Issues in Financial Accounting 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Advertising-Public Relations (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Advertising-Public Relations program is a limited access program that requires a separate application.
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in progress at the time of admission, students who do not earn a “C” or better will be removed from the program):

Complete the following: 6 hrs
ADV 3008 Principles of Advertising and 3 hrs
Pur 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select either 3 hrs
Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from group B 2. 6 hrs

C: Mathematical Foundations (6 hrs)
Math 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs

Statistics
Required STA 2014C Principles of Statistics or 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
Economics 3 hrs
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Social Sciences 3 hrs
Required ANT 2000 General Anthropology or 3 hrs
Required PSY 2012 General Psychology or 3 hrs
Required SVG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select either Economics course:
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select either Speech course:
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

3. Core Requirements: Basic Level (6 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:
- Must be in progress or completed before applying to the program:

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Complete all of the following: 6 hrs
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program).
  - ADV 3008 Principles of Advertising and Promotion 3 hrs
  - PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:
- Complete either economics class:
  - ECO 2023 Principles of Microeconomics or GEP/CPP
  - ECO 2013 Principles of Macroeconomics GEP/CPP
- Complete either speech class
  - SPC 1608 Fundamentals of Oral Communication or GEP/CPP
  - SPC 1603C Fundamentals of Technical Presentations GEP/CPP
- Complete either statistics class:
  - STA 2014C Principles of Statistics or GEP
  - STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:
- ADV 4101 Advertising Copywriting 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs

Internship: Select one 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

5. Restricted Electives (12 hrs)
Select from the following after admission to the program:
- PUR 3004 Public Relations and Society 3 hrs
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4300 Advertising Media Planning 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4203 PR/Advertising Ethics and Law 3 hrs
- PUR 4014 Preparing for Public Relations Certification 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- PUR 4110C Public Relations Publications 3 hrs
- PUR 4801 Public Relations Case Studies 3 hrs
- VIC 3001 Visual Communication 3 hrs
- VIC 4312 Power Branding 3 hrs

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship 3 hrs

6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
  - MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 120

Honors In Major
- Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution; complete ADV 3008 and PUR 4000 with a minimum grade of A (4.0) and MMC 3420 with a minimum grade of B (3.0).
- Admission: Application to admission to Honors in the Major program must be approved by both the Honors in the Major thesis adviser and the Advertising-Public Relations Area Coordinator.

Requirements:
- Students accepted into the Honors in the Major Program must complete the following:
  - Select 1: 3 hrs
    - ADV 4906 Directed Independent Study or 1 hr
    - PUR 4906 Directed Independent Study 1 hr
  - Select 1: 3 hrs
    - ADV 4970H Undergraduate Honors Thesis or 1 hr
    - PUR 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Marketing
- Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
  - Business
  - Digital Media
  - Writing and Rhetoric
  - Hospitality Management
  - Marketing
  - Political Science
  - Psychology
  - Sociology
Plan of Study

One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
- ADV 3008 Principles of Advertising 3 hrs
- GEP- Economics 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-take outside of NSC 3 hrs

Sophomore Year - Spring 15 hrs
- Elective-take outside of NSC 3 hrs
- PUR 4000 Public Relations 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Apply to the program

Junior Year - Fall 15 hrs
- Apply to program by Oct 1.
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring 15 hrs
- If admitted, take the following;
  - PUR 3100 Writing for Public Relations 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Elective-take outside of NSC 3 hrs
  - Elective-take outside of NSC 3 hrs

Junior Year - Summer 9 hrs
- Internship 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Fall 13 hrs
- ADV 4101 Advertising Copywriting 3 hrs
- Restricted Elective 3 hrs
- Elective-take outside of NSC 4 hrs
- Elective-take outside of NSC 3 hrs
- Graduation Review

Senior Year - Spring 12 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- Restricted Elective-Internship 3 hrs
- Free Elective-take outside of NSC 3 hrs
- Free Elective-take outside of NSC 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Graduation Review

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering 1, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu
Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.
Select 1: 3 hrs

Preferred: SPC 1603C  Fundamentals of Technical Presentations or
Suggested: SPC 1608  Fundamentals of Oral Communication

B: Cultural & Historical Foundations 9 hrs
Select two classes from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations 7 hrs
Required: MAC 2311C  Calculus with Analytic Geometry I 4 hrs
Required: STA 3032  Probability and Statistics for Engineers 3 hrs

D: Social Foundations 6 hrs
Select 1: 3 hrs
Preferred: ECO 2013  Principles of Macroeconomics or
Preferred: ECO 2023  Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations 7 hrs
Suggested: PHY 2048C  General Physics Using Calculus I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) 19 hrs
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:
- Preferred course
  CHS 1440  Principles of Chemistry 4 hrs

or- First alternative: Select all of the following 6 hrs
  CHM 2040  Chemistry Fundamentals IA 3 hrs
  CHM 2041  Chemistry Fundamentals IB 3 hrs

or- Second alternative
  CHM 2045C  Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level 2 hrs
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.
  EGS 1006C  Introduction to the Engineering Profession 1 hr
  EGN 1007C  Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level 51 hrs
  EGN 3310  Engineering Analysis-Statics 3 hrs
  EGN 3343  Thermodynamics 3 hrs
  EMA 3706  Structure and Properties of Aerospace Materials 3 hrs
  EGN 3373  Principles of Electrical Engineering 3 hrs
  STA 3032  Probability and Statistics for Engineers 3 hrs
  EAS 3101  Fundamentals of Aerodynamics 3 hrs
  EAS 3800C  Aerospace Engineering Measurements 3 hrs
  EAS 3810C  Design of Aerospace Experiments 3 hrs
  EAS 4105  Flight Mechanics 3 hrs
  EAS 4134  High-Speed Aerodynamics 3 hrs
  EAS 4300  Aerothermodynamics of Propulsion 3 hrs
  EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  EGM 3601  Solid Mechanics 3 hrs
  EGN 3321  Engineering Analysis-Dynamics 3 hrs
  EML 4225  Introduction to Vibrations and Controls 3 hrs
  EML 3701  Fluid Mechanics I 3 hrs
  EML 4142  Heat Transfer 3 hrs
  EAS 4200  Analysis & Design of Aerospace Structures 3 hrs

5. Restricted Electives 12 hrs
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/undergraduate.html

6. Capstone Requirements 6 hrs
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
  EAS 4700C  Aerospace Design I 3 hrs
  EAS 4710C  Aerospace Design II 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None
8. Electives
- None
9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

Career and Academic Advising
- The department requires all students in the program to meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

EAS 3933  Aerospace Career and Academic Faculty 0 hrs

Advising
EAS 4931  Aerospace Career and Academic Faculty 0 hrs
Advising II

Transfer Notes
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
■ EGS 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study (128 hrs)
■ The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
EGS 1006C  Introduction to the Engineering Profession 1 hr
ENC 1101  Composition I 3 hrs
MAC 2311C  Calculus with Analytic Geometry I 4 hrs

Select 1: 3 hrs
1 CHS 1440  Principles of Chemistry or 3 hrs
CHM 2045C  Chemistry Fundamentals I or 3 hrs
CHM 2040  Chemistry Fundamentals IA or 3 hrs
CHM 2041  Chemistry Fundamentals IB or 3 hrs

Sophomore Year - Fall 13 hrs
EGN 1007C  Engineering Concepts and Methods 1 hr
ENC 1102  Composition II 3 hrs
MAC 2312  Calculus with Analytic Geometry II 4 hrs
PHY 2048C  General Physics Using Calculus I 4 hrs

Select 1: 3 hrs
SPC 1603C  Fundamentals of Technical Presentations or 3 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 15 hrs
EGN 1007C  Engineering Concepts and Methods 1 hr
ENC 1102  Composition I 3 hrs
MAC 2311C  Calculus with Analytic Geometry I 4 hrs

Select 1: 3 hrs
SPC 1603C  Fundamentals of Technical Presentations or 3 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 10 hrs
MAC 2313  Calculus with Analytic Geometry III 4 hrs
EMA 3706  Structure and Properties of Aerospace Materials 3 hrs

Select 1: 3 hrs
GEP 3 hrs

Sophomore Year - Spring 12 hrs
EGN 3321  Engineering Analysis-Dynamics 3 hrs
EGN 3343  Thermodynamics 3 hrs
EGN 3373  Principles of Electrical Engineering 3 hrs
EGN 3601  Solid Mechanics 3 hrs

Select 1: 3 hrs
EGP 3 hrs

Sophomore Year - Summer 9 hrs
EGP 3 hrs

Junior Year - Fall 15 hrs
EAS 4931  Aerospace Career and Academic Faculty 3 hrs
EML 4225  Introduction to Vibrations and Controls 3 hrs
EML 4142  Heat Transfer 3 hrs
GEP 3 hrs

Select 1: 3 hrs
EML 4225  Introduction to Vibrations and Controls 3 hrs
EML 4142  Heat Transfer 3 hrs
GEP 3 hrs

Junior Year - Spring 15 hrs
EGP 3 hrs

Senior Year - Fall 15 hrs
EAS 4105  Flight Mechanics 3 hrs
EAS 4134  High-Speed Aerodynamics 3 hrs
EAS 4931  Aerospace Career and Academic Faculty 0 hrs
Advising II
EAS 4700C  Aerospace Design I 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Senior Year - Spring 12 hrs
EAS 4300  Aerothermodynamics of Propulsion Systems 3 hrs
EAS 4710C  Aerospace Design II 3 hrs
Upper Division Elective 3 hrs
Upper Division Elective 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term

Anthropology (B.A.)
Department of Anthropology,
Howard Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
Dr. John Schultz, john.schultz@ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America, South America and the Caribbean. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ufc.edu/online for more information.

Admission Requirements
■ None

Degree Requirements
■ UCF students who change degree programs and select this major must adopt the most current catalog.
■ Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department.
■ Students must maintain a minimum cumulative GPA of 2.0 in all major requirements.
■ Co-op or internship credit cannot be used in the major without prior approval.
■ Students should consult with a departmental advisor.
■ All prerequisites of courses taught within the College of Sciences will be enforced.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
# UCF Degree Programs

## C: Mathematical Foundations (6 hrs)
- **Math:**
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

## Statistics - Computers (3 hrs)
- Suggested STA 2014C Principles of Statistics 3 hrs

## D: Social Foundations (6 hrs)
- Suggested ANT 2000 General Anthropology 3 hrs
  - Select from GEP D.1 list 3 hrs

## E: Science Foundations (6 hrs)
- Required ANT 2511 The Human Species 3 hrs
- Select from GEP E.1 list 3 hrs

## 2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes
- See "Common Prerequisites" in the Transfer and Transitions Services section

## 3. Core Requirements: Basic Level (6 hrs)
- Core-Required, also satisfy the CPP
  - ANT 2511 The Human Species GEP
  - Select all of the following: 6 hrs
    - ANT 2140 Archaeology and the Rise of Human Culture and Local Contexts 3 hrs
    - ANT 2410 Cultural Anthropology: Global Perspectives 3 hrs

## 4. Core Requirements: Advanced Level (12 hrs)
- Select 1:
  - ANT 3145 Archaeology of Complex Societies or 3 hrs
  - ANT 4115C Archaeological Method and Theory 3 hrs
  - Select 1:
    - ANT 4516 Human Biological Diversity or 3 hrs
    - ANT 4586C Human Origins 3 hrs

## 5. Restricted Electives (24 hrs)
- **Area Study** 3 hrs
  - Select one from the following courses:
    - ANT 3148 Life and Death in Ancient Egypt 3 hrs
    - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest 3 hrs
    - ANT 3158 Florida Archaeology 3 hrs
    - ANT 3160 Americas Before Columbus 3 hrs
    - ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
    - ANT 3163 Mesoamerican Archaeology 3 hrs
    - ANT 3164 Ancient Incas 3 hrs
    - ANT 3165 Archaeology of South America 3 hrs
    - ANT 3168 Maya Archaeology 3 hrs
    - ANT 3177 Archaeology of Caribbean Piracy 3 hrs
    - ANT 3311 Indians of the Southeastern United States 3 hrs
    - ANT 3312 Ethnology of North American Indians 3 hrs
    - ANT 3313 Indians of North America High Plains 3 hrs
    - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
    - ANT 3362 Peoples of Southeast Asia 3 hrs
    - ANT 4153 North American Archaeology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 4340 Caribbean Cultures 3 hrs
    - ANT 4352 African Societies and Cultures 3 hrs

## Restricted Electives (21 hrs)
- Select 7 additional upper-level Anthropology courses; these may include other area study courses from the list above or any other upper-level Anthropology courses that may be offered (see below for restrictions).

## Only one of the following may be taken:
- ANT 4115C Archaeological Method and Theory 3 hrs
- ANT 3145 Archaeology of Complex Societies 3 hrs

## Only one of the following may be taken:
- ANT 4516 Human Biological Diversity or 3 hrs
- ANT 4586C Human Origins 3 hrs

## Only one of the following may be taken:
- ANT 3905 Directed Independent Study or 1 hr
- ANT 3955 Study Abroad or 1 hr
- ANT 3943 Caribbean Archaeology Practicum or 3 hrs
- ANT 4180C Seminar in Laboratory Analysis or 3 hrs
- ANT 4824 Advanced Archaeological Fieldwork or 9 hrs
- ANT 4906 Directed Independent Study or 1 hr
- ANT 4912 Directed Independent Research or 1 hr
- ANT 4955 Study Abroad or 1 hr
- ANG 5822 Maya Field Research or 3 hrs
- ANG 5907 Independent Study or 1 hr
- ANG 5917 Directed Research or 1 hr

## None of the following may be taken:
- ANT 4903H Honors Directed Reading I or 1 hr
- ANT 4904H Honors Directed Reading II or 1 hr
- ANT 4907H Undergraduate Honors Thesis 1 hr

## Any of the following may be taken:
- ANT 2511L Physical Anthropology Lab 1 hr
- ANT 3026 Mummies, Zombies, and Vampires: Anthropology of the Undead 3 hrs
- ANT 3106 Archaeology and Popular Culture 3 hrs
- ANT 3142 Old World Prehistory 3 hrs
- ANT 3173 Archaeology of Sex 3 hrs
- ANT 3212 Peoples of the World 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 3245 Native American Religions 3 hrs
- ANT 3262 Rural Society 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 3393 American Indian Literature and Culture in Florida 3 hrs
- ANT 3398 Black Seminole Relations 3 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 3550C Primatology 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
- ANT 4027 Mummies, Life After Death 3 hrs
- ANT 4013 Anthropology of Fast Food 3 hrs
- ANT 4183 Anthropological Perspectives on Human Growth 3 hrs
- ANG 5742 Problems in Forensic Anthropology 3 hrs
- ANG 5167 Maya Hieroglyphs 3 hrs
- ANG 5228 Maya Iconography 3 hrs
- ANG 5534 Problems in Forensic Anthropology 3 hrs

1 Alternatively, seniors may select the 5000 level equivalent, but not both.

## 6. Capstone Requirements
- None

## 7. Foreign Language Requirements

### Admissions
- Met by graduation requirement

### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all major requirements. All attempts of courses taken are included in the major GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives beyond 24 hrs) and a “C” (2.0) or better is earned are also included in the GPA calculation.
- Students will be required to take a standard exit exam.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- Crime Scene Investigation
- Cultural Tourism
- Diplomacy
- Health Communications
- Judaic Studies
- Native American Studies
- Nonprofit Management
- Teaching English as a Foreign Language
- Women’s Studies

Related Minors
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - Africana Studies
  - American Studies
  - Asian Studies
  - Diplomacy
  - English - Linguistics
  - International and Global Studies
  - Judaic Studies
  - Latin American Area Studies
  - Medical Sociology
  - Middle Eastern Studies
  - Nonprofit Management/National Certification in Nonprofit Management
  - Sociology
  - Women’s Studies
  - World Comparative Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any two ANT courses satisfy the CPP, ANT 2511 is required in the core and must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ANT 3610 Language and Culture 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- Select 1:
  - ANT 4115C Archaeological Method and Theory or 3 hrs
  - ANT 3145 Archaeology of Complex Societies 3 hrs
  - Restricted Elective 3 hrs
  - Foreign Language 4 hrs
  - Restricted Elective 2 hrs
  - Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- Select 1:
  - ANT 4034 History of Anthropological Thought 3 hrs
  - Restricted Elective 3 hrs
  - Foreign Language 4 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 2 hrs

Senior Year - Fall 15 hrs
- Select 1:
  - ANT 4516C Human Biological Diversity or 3 hrs
  - ANT 4586C Human Origins 3 hrs
  - Restricted Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Free Elective 3 hrs
- Area Study Elective 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

#### Architecture (B.Des.)

**College of Arts and Humanities**

**School of Visual Arts and Design**

(This program is offered at UCF at the Valencia West Campus)

[http://architecture.ucf.edu/](http://architecture.ucf.edu/)

Email: architecture@ucf.edu

Phone: 407-582-5500

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida. Note: Architecture (B.Des.) majors must have continual access to a computer. Contact the Architecture advising office (407-582-5500) for the minimum hardware and software specifications.

#### Admission Requirements

- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participation in a competitive review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.
- Successful completion of PHY 2053 with a “C” (2.0) or better is required.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the current catalog.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.0.
- Co-op credit cannot be used in this major.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Completion of at least 120 semester hours of course work, including all required courses.
- No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

#### 1. UCF General Education Program (GEP) (36 hrs)

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>None</td>
</tr>
</tbody>
</table>

#### 2. Core Requirements: Basic Level (34 hrs)

- A.A. Courses (completed in the A.A. in Architecture from Valencia College).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in Valencia College’s architecture program but required for the B.Des. at UCF. See courses below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 1201 Theory of Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARC 1301 Architectural Design I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ARC 1302 Architectural Design II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ARC 1701 History of Architecture I or equivalent</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARC 2180 Introduction to Digital Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARC 2303 Architectural Design III</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ARC 2304 Architectural Design IV</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ARC 2461 Materials and Methods of Construction</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ARC 2702 History of Architecture II or equivalent</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (45 hrs)

- Completed as part of the Bachelor of Design program at UCF.
- No 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

- Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

#### 8. Electives

- Select primarily from upper level courses after meeting with the program advisor.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- None

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 Honors In Major</td>
<td>120</td>
</tr>
</tbody>
</table>

#### Related Programs

- None

- Certificates:
  - Public and Professional Writing

#### Related Minors

- Art - Studio
- Art History
- Cognitive Sciences
UCF Degree Programs

Digital Media
Film - Cinema Studies
Humanities
Philosophy
English - Technical Communication
Writing and Rhetoric

Advising Notes
http://svad.cah.ucf.edu/students
architecture@ucf.edu

Transfer Notes
Grades less than a "C" (2.0) are not accepted.
Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution must have thereby satisfied UCF GEP requirements.
Lower division courses do not substitute for upper division courses.
Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall 16 hrs
ARC 1301 Architectural Design 01 (Valencia College) 4 hrs
ARC 1701 Architectural History 01 (Valencia College) 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1140C Pre-Calculus Algebra 3 hrs
GEP 3 hrs

Freshman Year - Spring 16 hrs
ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
ARC 1201 Theory of Architecture (Valencia College) 3 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP 3 hrs

Freshman Year - Summer 3 hrs
GEP 3 hrs

Sophomore Year - Fall 19 hrs
ARC 2303 Architectural Design 03 (Valencia College) 5 hrs
ARC 2702 Architectural History 02 (Valencia College) 3 hrs
ARC 2461 Material and Methods of Construction (Valencia College) 4 hrs
MAC 1114C College Trigonometry 3 hrs
PHY 1053C Introductory Physics 01 4 hrs

Sophomore Year - Spring 14 hrs
ARC 2180 Introduction to Digital Architecture (Valencia College) 3 hrs
ARC 2304 Architectural Design 04 (Valencia College) 5 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall 12 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3181 Advanced Topics in Digital Architecture 3 hrs

Junior Year - Spring 12 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs

Junior Year - Summer

Senior Year - Fall 12 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4620 Environmental Technology 2 3 hrs

Senior Year - Spring 9 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 3463 Materials and Methods of Construction 2 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Full-Time Student: $90 per term

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:
Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.
The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students.
To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
Character Animation: students must satisfactorily complete the mandatory DIG3951 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
"C-" (1.75) or below grades from other institutions do not meet departmental requirements.
Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
UCF Degree Programs

- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a "C" (2.0) in each required course except DIG 2000, which requires a "B" (3.0) or better.
- BFA students must achieve a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II and 3 hrs
- Select a course from group B.1 3 hrs

C: Mathematical Foundations (7 hrs)

Take all of the following:
- Required COP 2500C Concepts in Computer Science 4 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (12 hrs)

COP 2500C Concepts in Computer Science GEP
MAC 1105C College Algebra GEP
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

5. Restricted Electives (39 hrs)

Specializations

Graphic Design
- Graphic Design Basic Concentration - 18 hours
  GRA 3950 Graphic Design Portfolio Application 0 hrs
  GRA 3102C Intermediate Graphic Design I 3 hrs
  GRA 3112C Intermediate Graphic Design II 3 hrs
  GRA 3803C Intermediate Computer Graphic Design 3 hrs
  GRA 4196C Advanced Graphic Design 3 hrs
  GRA 4197C Special Problems in Graphic Design 3 hrs
  GRA 3202C Type & Design 3 hrs

- Graphic Design - Restricted Electives - 21 hours
  Complete 21 hours of credits from the following areas: 21 hrs
  9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

Character Animation (39 hrs)

- All courses in the Character Animation specialization are offered at the UCF Center for Emerging Media in Downtown Orlando

Character Animation Core - 15 hours
- DIG 3951 Character Animation Portfolio Review 0 hrs
- ART 3643C Digital Effects & Compositing 3 hrs
- DIG 4325C Look Modeling Workshop 3 hrs
- DIG 4326C Geometrical Modeling Workshop 3 hrs
- FIL 3720C Introduction to Animation 3 hrs
- FIL 3734C Intermediate Animation 3 hrs

Character Animation Basic Concentration - 24 hours
- DIG 3355C Artificial Environments and Effects 3 hrs
- DIG 3433C Visual Storytelling and Visual Development 3 hrs
- DIG 4206C New Imagery in Motion Workshop 3 hrs
- DIG 4355C Artificial Environments and Effects 3 hrs
- Workshop
- DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
- DIG 4434C Narrative Techniques in the Moving Image 3 hrs
- DIG 4451C Visual Storytelling and Visual Development 3 hrs

CHAR 4486C Visual Language of Moving Image II 3 hrs

Experimental Animation (39 hrs)

- Experimental Animation Core - 18 hours
  ART 3950 Portfolio Review 0 hrs
  ART 3643C Digital Effects & Compositing 3 hrs
  DIG 4325C Look Modeling Workshop 3 hrs
  DIG 4326C Geometrical Modeling Workshop 3 hrs
  FIL 3720C Introduction to Animation 3 hrs
  FIL 3734C Intermediate Animation 3 hrs
  'ART 4935 BFA Exhibit/Seminar 3 hrs

- Experimental Animation Restricted Electives - 6 hours
  FIL 4735C Experimental Animation 3 hrs
  FIL 4750C Experimental Animation Workshop 3 hrs

- Experimental Animation Restricted Electives - 15 hours
  Complete 15 hours of credits from the following areas: 15 hrs
  hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "B" (3.0) GPA in all major requirements.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
<table>
<thead>
<tr>
<th></th>
<th>Semester Hours Required</th>
<th></th>
<th>Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Fall</strong></td>
<td>15 hrs</td>
<td>ART 2050</td>
<td>History of Western Art I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MAC 1105C</td>
<td>College Algebra</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>16 hrs</td>
<td>ARH 2051</td>
<td>History of Western Art II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td><strong>Freshman Year - Summer</strong></td>
<td>9 hrs</td>
<td>GEP Communication Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEP Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>15 hrs</td>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 2030</td>
<td>Digital Video Fundamentals</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 2109</td>
<td>Digital Imaging Fundamentals</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 2500</td>
<td>Fundamentals of Interactive Design</td>
</tr>
<tr>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
<td>DIG 3024</td>
<td>Digital Cultures &amp; Narrative</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3480</td>
<td>Computer as a Medium</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 4780C</td>
<td>Modeling for Realtime Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
</tr>
<tr>
<td><strong>Sophomore Year - Summer</strong></td>
<td>6 hrs</td>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>12 hrs</td>
<td>ART 3643C</td>
<td>Digital Effects &amp; Compositing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3355C</td>
<td>Artificial Environments and Effects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3433C</td>
<td>Visual Storytelling and Visual Development</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3951</td>
<td>Character Animation Portfolio Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FIL 3720C</td>
<td>Introduction to Animation</td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
<td>FIL 3700C</td>
<td>Intermediate Animation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>FIL 3734C</td>
<td>Intermediate Animation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3951</td>
<td>Character Animation Portfolio Review</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 3961C</td>
<td>Media Technology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 4359C</td>
<td>Artificial Environments and Effects Workshop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DIG 4451C</td>
<td>Visual Storytelling and Visual Development Workshop</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>13 hrs</td>
<td>FIL 4735C</td>
<td>Experimental Animation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Advising Notes**
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- svadadvising@ucf.edu

**Transfer Notes**
- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

**Character Animation**
- Freshman Year - Fall: ART 2050 (3 hrs), ART 2201C (3 hrs), ENC 1101 (3 hrs), MAC 1105C (3 hrs), GEP Science Foundation (3 hrs)
- Freshman Year - Spring: ARH 2051 (3 hrs), ART 2203C (3 hrs), ART 2300C (3 hrs), COP 2500C (4 hrs), ENC 1102 (3 hrs)
- Freshman Year - Summer: GEP Communication Foundation (3 hrs), GEP Cultural & Historical Foundation (3 hrs), GEP Science Foundation (3 hrs)
- Sophomore Year - Fall: ART 2301C (3 hrs), DIG 2000 (3 hrs), DIG 2030 (3 hrs), DIG 2109 (3 hrs), DIG 2500 (3 hrs)
- Sophomore Year - Spring: DIG 3024 (3 hrs), DIG 3480 (3 hrs), DIG 3525 (3 hrs), DIG 4780C (3 hrs), GRA 2101C (3 hrs)
- Sophomore Year - Summer: GEP Social Foundation (3 hrs), GEP Social Foundation (3 hrs)
- Junior Year - Fall: ART 3643C (3 hrs), DIG 3355C (3 hrs), DIG 3433C (3 hrs), DIG 3951 (0 hrs), FIL 3720C (3 hrs)
- Junior Year - Spring: DIG 3525 (3 hrs), FIL 3734C (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs)
- Senior Year - Fall: FIL 4735C (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs), Foreign Language Elementary Level II (4 hrs)

**Advising Notes**
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

**Transfer Notes**
- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

**Character Animation**
- Freshman Year - Fall: ART 2050 (3 hrs), ART 2201C (3 hrs), ENC 1101 (3 hrs), MAC 1105C (3 hrs), GEP Science Foundation (3 hrs)
- Freshman Year - Spring: ARH 2051 (3 hrs), ART 2203C (3 hrs), ART 2300C (3 hrs), COP 2500C (4 hrs), ENC 1102 (3 hrs)
- Freshman Year - Summer: GEP Communication Foundation (3 hrs), GEP Cultural & Historical Foundation (3 hrs), GEP Science Foundation (3 hrs)
- Sophomore Year - Fall: ART 2301C (3 hrs), DIG 2000 (3 hrs), DIG 2030 (3 hrs), DIG 2109 (3 hrs), DIG 2500 (3 hrs)
- Sophomore Year - Spring: DIG 3024 (3 hrs), DIG 3480 (3 hrs), DIG 3525 (3 hrs), DIG 4780C (3 hrs), GRA 2101C (3 hrs)
- Sophomore Year - Summer: GEP Social Foundation (3 hrs), GEP Social Foundation (3 hrs)
- Junior Year - Fall: ART 3643C (3 hrs), DIG 3355C (3 hrs), DIG 3433C (3 hrs), DIG 3951 (0 hrs), FIL 3720C (3 hrs)
- Junior Year - Spring: DIG 3525 (3 hrs), FIL 3734C (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs)
- Senior Year - Fall: FIL 4735C (3 hrs), Restricted Elective (3 hrs), Restricted Elective (3 hrs), Foreign Language Elementary Level II (4 hrs)
UCF Degree Programs

Senior Year - Spring 12 hrs
ART 4935  BFA Exhibit/Seminar  3 hrs
ART 2501  History of Western Art II  3 hrs
ENC 1102  Composition II  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Graphic Design
Freshman Year - Fall 15 hrs
ART 2050  History of Western Art I  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1105C  College Algebra  3 hrs
GEP Cultural & Historical Foundation  3 hrs
GEP Social Foundation  3 hrs

Freshman Year - Spring 13 hrs
ART 2051  History of Western Art II  3 hrs
CORE 2500C  Concepts in Computer Science  4 hrs
ENC 1102  Composition II  3 hrs
GEP Social Foundation  3 hrs

Freshman Year - Summer 6 hrs
GEP Science Foundation  3 hrs
GEP Science Foundation  3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2300C  Drawing Fundamentals II  3 hrs
DIG 2000  Introduction to Digital Media  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
GEP Communication Foundation  3 hrs

Sophomore Year - Spring 15 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2301C  Design Fundamentals II  3 hrs
DIG 2030  Digital Video Fundamentals  3 hrs
DIG 2109  Digital Imaging Fundamentals  3 hrs
DIG 2500  Fundamentals of Interactive Design  3 hrs

Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I  4 hrs
Foreign Language Elementary Level II  4 hrs

Junior Year - Fall 12 hrs
DIG 3480  Computer as a Medium  3 hrs
GRA 3102C  Intermediate Graphic Design I  3 hrs
GRA 3202C  Type & Design  3 hrs
GRA 3950  Graphic Design Portfolio Application  0 hrs
Any 2000-4000 Level Art Studio or Media Course  3 hrs

Junior Year - Spring 15 hrs
DIG 4780C  Modeling for Realtime Systems  3 hrs
GRA 3112C  Intermediate Graphic Design II  3 hrs
GRA 3202C  Type & Design  3 hrs
GRA 3950  Graphic Design Portfolio Application  0 hrs
ARH Upper Level Restricted Elective  3 hrs

Senior Year - Fall 15 hrs
DIG 3024  Digital Culture & Narrative  3 hrs
GRA 4106C  Advanced Graphic Design  3 hrs
ARH Upper Level Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs

Senior Year - Spring 12 hrs
DIG 3525  Digital Media Production I  3 hrs
GRA 4197C  Intermediate Graphic Design  3 hrs
Restricted Elective  3 hrs
ARH Upper Level Restricted Elective  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $31.50 per term
■ Full-Time Student: $63 per term

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
■ Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
■ Co-op credit cannot be used in the major.
■ Students should consult with a School advisor at least once annually.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
1. Required  ARH 2050  History of Western Art I  3 hrs
2. Select a course from group B.1  3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
C: Mathematical Foundations (6 hrs)
Math:
1. Required  ARH 2051  History of Western Art II  3 hrs
2. Select a course from group B.1  3 hrs

Statistics - Computers  3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers  3 hrs
Select a course from GEP C.2 list  3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (6 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ARH 2050  History of Western Art I  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs

3. Core Requirements: Basic Level (3 hrs)
ART 2500  History of Non-Western Art  3 hrs

4. Core Requirements: Advanced Level (15 hrs)
ART 4310  Italian Renaissance Art  3 hrs
ART 4430  History of Western Art II  3 hrs
ART 4450  20th Century Art  3 hrs
ART 4501  Theory and Criticism of the Visual Arts  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
GRA 3102C  Intermediate Graphic Design I  3 hrs
GRA 3702C  Graphic Design Portfolio Application  0 hrs

Any 2000-4000 Level Art Studio or Media Course  3 hrs
5. Restricted Electives (24 hrs)
Select one Non-Western/Ancient Art History 3 hrs
course from the following:
ARH 3670  20th Century Latin American Art  3 hrs
ARH 4130  Greek Art and Architecture  3 hrs
ARH 4150  Roman Art and Architecture  3 hrs
ARH 4540  Art of India  3 hrs
ARH 4653  Meso American Art  3 hrs

One of the following courses: 3 hrs
ARH 4200  Medieval Art  3 hrs
ARH 4350  Baroque Art  3 hrs
ARH 4871  Women in Art  3 hrs

Select 18 additional hours from the following: 18 hrs
ARH 3471  Art in the Last 25 Years  3 hrs
ARH 3610  American Art  3 hrs
ARH 3670  20th Century Latin American Art  3 hrs
ARH 3710  History of Photography I  3 hrs
ARH 3713  20th Century Photographic History  3 hrs
ARH 3720  History of Prints  3 hrs
ARH 3728  History of Illustration  3 hrs
ARH 3820  Visual Arts Administration Vitas  3 hrs
ARH 4130  Greek Art and Architecture  3 hrs
ARH 4150  Roman Art and Architecture  3 hrs
ARH 4200  Medieval Art  3 hrs
ARH 4350  Baroque Art  3 hrs
ARH 4352  Italian Baroque Art  3 hrs
ARH 4653  Meso American Art  3 hrs
ARH 4871  Women in Art  3 hrs
ARH 5897  Advanced Seminar in Art History  3 hrs
ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement.

Graduation
■ Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve at least a “C” (2.0) GPA average in courses in the major.
■ Computer Competency met by one of the following:
STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
ARH 3820  Visual Arts Administration Vitas  3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Art Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses.
- The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their junior year if they maintain a 3.0 overall average in upper division courses in the major.
- Students who do not meet these requirements may petition the BFA committee for acceptance.
- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog change with their School advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a "C" (2.0) in each required course; however a GPA of 3.0 or higher must be achieved in the major requirements.
- BFA students must achieve a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor, and an advisor in their studio specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
- MGF 1106 Finite Mathematics 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- ARH 2050 History of Western Art I GEP 3 hrs
- ARH 2051 History of Western Art II GEP 3 hrs
- ART 2215C Design Fundamentals-Two Dimensional 3 hrs
- ART 2230C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- Any ART prefix, studio, or media courses at the 2000-4000 levels

Transfer and Transitions Services section for more information

3. Core Requirements: Basic Level (6 hrs)
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2623 Art as Interface 3 hrs

4. Core Requirements: Advanced Level (42 hrs)
- ART 3950 Portfolio Review 0 hrs
- Select six upper division courses from one area:

   a. Specialization: 18 hrs
   - Select six upper division courses from one area:

   Book Arts
- ART 3170C Book Binding or 3 hrs
- ART 3171C Materials for Artist Books or 3 hrs
- ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
- ART 3176C The Illustrated Book or 3 hrs
- ART 3737C Narrative Sculpture or 3 hrs
- ART 4172C Book Repair and Restoration or 3 hrs
- ART 4173C The Artist Book or 3 hrs
- ART 4174C The Printed Book or 3 hrs
- ART 4177C Commercial Book Design and Publishing or 3 hrs
- ART 4644C Books Without Books 3 hrs

Ceramics/Sculpture Combination
- ART 3761C Intermediate Ceramics or 3 hrs
- ART 3764C Ceramic Handbuilding I or 3 hrs
- 1 ART 4783C Advanced Ceramics or 3 hrs
- ART 4786C Ceramic Raw Material or 3 hrs
- ART 3709C Intermediate Sculpture or 3 hrs
- 1 ART 4710C Advanced Sculpture or 3 hrs

Drawing
- ART 3323C Intermediate Drawing or 3 hrs
- 1 ART 4320C Advanced Drawing or 3 hrs

Drawing/Printmaking Combination
- ART 3322C Intermediate Drawing or 3 hrs
- ART 4320C Advanced Drawing or 3 hrs
- ART 3433C Screenprinting or 3 hrs
- 1 ART 4402C Advanced Printmaking or 3 hrs

Drawing/Illustration Combination
- ART 3322C Intermediate Drawing or 3 hrs
- 1 ART 4320C Advanced Drawing or 3 hrs
- GRA 3747C Intermediate Illustration I or 3 hrs
- 1 GRA 4154C Advanced Illustration or 3 hrs

Painting
- ART 3504C Intermediate Painting or 3 hrs
- 1 ART 4505C Advanced Painting or 3 hrs
### Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050  History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Mathematical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051  History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C  Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Mathematical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2203C  Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C  Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2823  Art as Interface</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Communication Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2500  History of Non-Western Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C  Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C  Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Science Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3950  Portfolio Review</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Foreign Language Elementary Level 1</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any 2000-400 Level Art Studio or Media Course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH Upper Level Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language Elementary Level II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH Upper Level Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper Level Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4935  BFA Exhibit/Seminar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper Level Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term
UCF Degree Programs

Art - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required ARH 2050 History of Western Art I 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select a course from group B.1 3 hrs
   C: Mathematical Foundations (6 hrs)
   Math: 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   ARH 2050 History of Western Art I GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs
   ART 2301C Drawing Fundamentals II 3 hrs
   GRA 2101C Introduction to Computer Art 3 hrs
   Any ART 2XXX-4XXX studio or media course. 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   ARH 2500 History of Non-Western Art 3 hrs
   ART 2823 Art as Interface 3 hrs
   ART 3950 Portfolio Review 0 hrs

4. Core Requirements: Advanced Level
   - None

5. Restricted Electives (27 hrs)
   Select nine upper division courses representative from at least three different areas:
   - Art History
     Any upper-level ARH course(s)
   - Book Arts
     ART 3170C Book Binding 3 hrs
     ART 3171C Materials for Artist Books 3 hrs
     ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
     ART 3176C The Illuminated Book 3 hrs
   - 1 ART 3737C Narrative Sculpture 3 hrs
   - ART 4172C Book Repair and Restoration 3 hrs
   - ART 4173C The Artist Book 3 hrs
   - ART 4174C The Printed Book 3 hrs
   - ART 4177C Commercial Book Design and Publishing 3 hrs
   - 1 ART 4644C Books Without Books 3 hrs
   1 May be repeated for credit.
   - Ceramics
     ART 3761C Intermediate Ceramics 3 hrs
     1 ART 4763C Advanced Ceramics 3 hrs
   1 May be repeated for credit.
   - Drawing and Printmaking
     ART 3332C Intermediate Drawing 3 hrs
     ART 3433C Screenprinting 3 hrs
     ART 4320C Advanced Drawing 3 hrs
     ART 4402C Advanced Printmaking 3 hrs
   1 May be repeated for credit.
   - Illustration
     GRA 3747C Intermediate Illustration I 3 hrs
     1 GRA 4154C Advanced Illustration 3 hrs
   1 May be repeated for credit.
   - Painting
     ART 3504C Intermediate Painting 3 hrs
     1 ART 4505C Advanced Painting 3 hrs
   1 May be repeated for credit.
   - Photography
     PGY 3410C Intermediate Photography 3 hrs
     1 PGY 4420C Advanced Photography 3 hrs
     PGY 4440C Special Problems in Photography 3 hrs
   1 May be repeated for credit.
   - Sculpture
     ART 3709C Intermediate Sculpture 3 hrs
     1 ART 4710C Advanced Sculpture 3 hrs
   1 May be repeated for credit.
   - Time Arts
     ART 3161 Mixed Media 3 hrs
     ART 3833C Processes and Ideas in Art 3 hrs
     ART 4643C Web Art 3 hrs
   1 FIL 4735C Experimental Animation 3 hrs
   1 FIL 4750C Experimental Animation Workshop 3 hrs
   1 May be repeated for credit.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement.
   Graduation
   - Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art Education
- Art - Emerging Media Track

Certificates
- None

Related Minors
- Digital Media

Advising Notes
- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
- GRA 2101C Introduction to Computer Art 3 hrs
- May be substituted with:

Plan of Study

Freshman Year - Fall 12 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2823 Art as Interface 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ART 3950 Portfolio Review 0 hrs
- Foreign Language Elementary Level I 4 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Restricted Elective 3 hrs
- Any 2000-4000 Level Art Studio or Media Course 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
UCF Degree Programs

- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 9 hrs

Suggested: ARH 2050 History of Western Art I and
Suggested: ARH 2051 History of Western Art II and
Select a course from group B.1

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested: MGF 1106 Finite Mathematics or
Suggested: MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs

Prefer: STA 1063C Basic Statistics Using Microsoft Excel

2. Common Program Prerequisites (CPP) (18 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Core Requirements: Basic Level (6 hrs)

3. Core Requirements: Advanced Level (3 hrs)

- Only required if the student intends to enroll in courses that require this as a pre-requisite

4. Core Requirements: Technical Entrepreneurship (6 hrs)

5. Restricted Electives (21 hrs)

Aesthetics and Theory 6 hrs

Select 2: 6 hrs

ARH 4450 20th Century Art or
ARH 3471 Art in the Last 25 Years or
ARH 3710 History of Photography I or
ARH 3711 History of Photography II or
ARH 3720 History of Prints or
ARH 4800 Theory and Criticism of the Visual Arts or
PHI 3800 Aesthetics

Written Communication 3 hrs

Select 1: 3 hrs

DIG 3024 Digital Cultures & Narrative or
ENC 3241 Writing for the Technical Professional or
ENC 3250 Professional Writing or
ENC 3311 Essay as Cultural Commentary or
ENC 4416 Writing in Digital Environments

Information Management 6 hrs

Select 2: 6 hrs

DIG 3043 Evolution of Video Games or
DIG 3563 Information Management and
DIG 3716C Internet Interaction or
DIG 4630C Media Business Practices or
DIG 5565C Digital Asset Management Systems or
FIL 4040 Animation Film History for Non Film Majors

6. Capstone Requirements

DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements

8. Electives

- (Credit hours are variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordan Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major

- None

Related Programs

- Art - History Track
- Art - Studio Art Track
- Art Education

Certificates

- None

Related Minors

- Community Arts - PAVE
- Digital Media
- Technological Entrepreneurship

Advising Notes

- svad.cah.ucf.edu/students
- svadadvising@ucf.edu

UNIVERSITY OF CENTRAL FLORIDA
Art Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209

[http://education.ucf.edu/arted](http://education.ucf.edu/arted)

Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Art Education B.S. program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**

- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

**1. UCF General Education Program (GEP)** (36 hrs)

- Students are strongly advised to take the preferred courses.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Required ARH 2050 History of Western Art I 3 hrs

**Select 1:**
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

**C: Mathematical Foundations** (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

**Select 1:**
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 204C Principles of Statistics 3 hrs

**D: Social Foundations** (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs
UCF Degree Programs

E: Science Foundations (6 hrs)  
Prefer PSC 1121 Physical Science 3 hrs

Select 1:  3 hrs  
Prefer ANT 2511 The Human Species or 3 hrs  
Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (24 hrs)  
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- Lifelong Learning Track requires 18 semester hours  
  - Education Track requires 12 semester hours

3. Core Requirements: Basic Level (12 hrs)  
- Education Track requires 12 semester hours  
- Lifelong Learning Track requires 18 semester hours

ARH 2050 History of Western Art I GEP  
ARH 2051 History of Western Art II 3 hrs  

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Advanced Level (42 hrs)  
- Education Track requires 54 semester hours  
- Lifelong Learning Track requires 42 semester hours

4. Core Requirements: Education Core Requirements (15 hrs)  
- Education Track requires 15 semester hours of Education Core Requirements  
- Lifelong Learning Track requires 18 semester hours of Education Core Requirements

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4467 Learning Theory and Assessment 3 hrs  
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs  
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs  

5. Lifelong Learning Track Specialization (24 hrs)  
- Education Track Specialization Requirements 24 hrs

ARE 4351 Teaching Art in the Elementary School 3 hrs  
ARE 4352 Teaching Art in the Secondary School 3 hrs  
ARE 4250 Art for Exceptionalities 3 hrs  
ARE 4453 Studio Experiences in Art Education 3 hrs  
Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval) 9 hrs  

1 Prerequisite for Internship I (Education Track Only)  

Internship I 3 hrs  
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, either ARE 4351 Teaching Art in the Elementary School or ARE 4352 Teaching Art in the Secondary School, and at least 50% of all required art courses indicated with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester and before application to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- Students must apply and be approved for Internship I.

- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/

- ARE 3940 Internship 3 hrs  

Internship II Block 12 hrs  
- All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.

- Students must apply and be approved for Internship II.

- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.

- ARE 4941 Internship 9 hrs  

- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 24 hrs  
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

- A grade of “C-” (1.75) or better is required

- Must have a total of 48 or more hours of upper level courses to graduate.

- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs  
- ARE 4351 Teaching Art in the Elementary School 3 hrs  
- ARE 4250 Art for Exceptionalities 3 hrs  
- EDG 4941 Directed Field Experience 1 hr  
- EDG 4948 Service Learning 3 hrs  
- DED 3525 Digital Media Production I 3 hrs  
- DED 2000 Introduction to Digital Media 3 hrs  
- DED 2030 Digital Video Fundamentals 3 hrs  
- DED 2109 Digital Imaging Fundamentals 3 hrs  
- DED 2500 Fundamentals of Interactive Design 3 hrs  
- DED 3511 User-Centered Design 3 hrs  
- DEP 2004 Developmental Psychology 3 hrs  
- DEP 3022 Psychology of Exceptional Children 3 hrs  
- DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
   - Education Track requires 126 total semester hours
   - Lifelong Learning Track requires 120 semester hours

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. [http://livetext.education.ucf.edu/]

Education Track
   - Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - Education Track requires 126 total semester hours
   - Lifelong Learning Track requires 120 semester hours
   - Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - The program of study will be affected by course offerings and availability. Please see the Art Education Web site at [http://education.ucf.edu/arted/] for the advising policy.

Freshman Year - Fall 15 hrs
   - AMH 2010 U.S. History: 1492-1877 3 hrs
   - ENC 1101 Composition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - ARH 2051 History of Western Art I 3 hrs
   - PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs
   - ENC 1102 Composition II 3 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs

Freshman Year - Summer 6 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall 12 hrs
   - ART 2300C Drawing Fundamentals I 3 hrs
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 15 hrs
   - ART 2500C Beginning Photography 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

Junior Year - Fall 15 hrs
   - PGY 2401 Introduction to Computer Art 3 hrs
   - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   - ART 2301C Drawing Fundamentals II 3 hrs

Junior Year - Spring 15 hrs
   - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Graduation
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Lifelong Learning Track 9 hrs
MHS 2330  Career Planning and 3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings and 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs

Lifelong Learning Track Select 1: 3 hrs
1 EDF 2130  Child and Adolescent Development for Educators or 3 hrs
EDP 2270  Adult Development & Learning 3 hrs

Senior Year - Fall 12 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs

Education Track 9 hrs
ARE 4351  Teaching Art in the Elementary School and 3 hrs
ARE 3940  Internship and 3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Athletic Training (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 118/119
http://www.cohpa.ucf.edu/athletictraining
Email: atinfo@ucf.edu
Dr. Kristen C. Schellhase
Phone: 407-823-2214

Admission Requirements
- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.

Lifelong Learning Track 9 hrs
MHS 2330  Career Planning and 3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings and 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs

Lifelong Learning Track Select 1: 3 hrs
1 EDF 2130  Child and Adolescent Development for Educators or 3 hrs
EDP 2270  Adult Development & Learning 3 hrs

Senior Year - Fall 12 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs

Education Track 9 hrs
ARE 4351  Teaching Art in the Elementary School and 3 hrs
ARE 3940  Internship and 3 hrs
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring
Education Track 12 hrs
ARE 4941  Internship and 9 hrs
ESE 4033C  Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs

Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of “C” (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.

Completion of an AA degree from a Florida College or completion of UCF’s General Education Program (GEP) must occur before beginning the Athletic Training Program.

The Athletic Training Program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program.

Technical Standards Requirement
- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA “prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are ‘otherwise qualified’ to participate in those programs”. However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as “technical standards(s) for admission”.
- The institution/program may not exclude an ‘otherwise qualified’ applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to “fundamentally alter” the program nor create an “undue burden” on itself.
- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt to reflect the necessary skills and abilities needed to meet the expectations of the Program’s accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.

The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.

UNIVERSITY OF CENTRAL FLORIDA

142 Undergraduate Catalog 2016-2017
4. Students must possess the ability to communicate (orally and in writing) effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and in a timely manner otherwise.

5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.

6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.

Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.

The University of Central Florida’s Student Disability Services will evaluate a student who states he/she could meet the Program’s technical standards with accommodation(s) and confirm that the stated condition qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) requested is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program’s technical standards does not guarantee a student’s eligibility for the BOC(c) certification exam. Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (bocatc.org).

Degree Requirements

Students who are accepted into the Program in Athletic Training must adopt the most current catalog.

Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Athletic Training Program, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflict.

The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.

Graduates are eligible to apply to take the Board of Certification (BOC(c)) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Athletic Training Program.

1. UCF General Education Program (GEP) (38 hrs)

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
     Required STA 2023 Statistical Methods I 3 hrs
     Suggested MAC 2233 College Trigonometry 3 hrs
   D: Social Foundations (6 hrs)
     Required PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (15 hrs)

   The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   BSC 2010C Biology I GEP
   ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology 4 hrs
   HUN 2201 Fundamentals of Human Nutrition 3 hrs
   STA 2023 Statistical Methods I GEP
   PSY 2012 General Psychology GEP

Select 1:

   One of the following courses must be taken as a prerequisite or co-requisite to core requirements:

   PHY 2053C College Physics I or 4 hrs
   PHY 2048C General Physics Using Calculus I 4 hrs

3. Core Requirements: Basic Level

   None

4. Core Requirements: Advanced Level (62 hrs)

   Professional Phase

   The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

   Required
   ATR 4014C Principles of Athletic Training Lab 3 hrs
   ATR 3102 Principles of Athletic Training 3 hrs
   ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
   ATR 3812L Practicum in Athletic Training I 4 hrs
   ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
   PET 4315C Biomechanics of Sport 3 hrs
   ATR 3822L Practicum in Athletic Training II 4 hrs
   ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
   ATR 3013C Clinical Skills for Athletic Training II 3 hrs
   ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
   ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
   ATR 4512L Organization and Administration of Athletic Training 3 hrs
   PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
   ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
   ATR 4832L Practicum in Athletic Training III 4 hrs
   PET 4806 Applied Fitness in Sport 3 hrs
   ATR 4842L Practicum in Athletic Training IV 4 hrs
   ATR 4913 Case Studies in Sports Medicine 3 hrs
   ATR 4933 Athletic Training Seminar 1 hr
   ATR 4112L Acute Care in Athletic Training 1 hr

5. Restricted Electives

   None

6. Capstone Requirements

   None

7. Foreign Language Requirements

   Admissions

   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation

   None

8. Electives

   Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.

   ATR 4940 Athletic Training Elective Internship 0 hrs
9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75
- A minimum grade of "C" (2.0) in Common Program Prerequisite (CPP) and core requirement courses.
- Two years of successful clinical rotation under the direct supervision of an approved preceptor.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honor in Major
- Qualified students are encouraged to participate in Honors in the Major. Interested students should consult with the Program Director.

Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

Advising Notes
- Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).

Transfer Notes
- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring within the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking: both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or by taking both PET X322C and PET X323C; or by taking both APK X100C and APK X105C.

- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHY X048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN 2201) will be seen as equivalent to HUN X201, HUN X941, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

Plan of Study

**Freshman Year - Fall** 15 hrs
- ENC 1101  Composition I  3 hrs
- PSY 2012  General Psychology  3 hrs
- HSC 2000  Introduction to the Allied Health Professions  2 hrs
- MAC 1105C  College Algebra  3 hrs
- 1'CHM 2045C  Chemistry Fundamentals I  4 hrs

1 Other CHM courses might be acceptable as pre-requisites to PCB 3703

**Freshman Year - Spring** 13 hrs
- ENC 1102  Composition II  3 hrs
- BSC 2010C  Biology I  4 hrs
- MAC 1114C  College Trigonometry  3 hrs
- HUN 2201  Fundamentals of Human Nutrition  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- GEP Communication  3 hrs
- GEP Cultural  3 hrs
- GEP Historical  3 hrs

**Sophomore Year - Fall** 14 hrs
- PHY 2053C  College Physics I  4 hrs
- ZOO 3733C  Human Anatomy  4 hrs
- STA 2023  Statistical Methods I  3 hrs
- GEP Historical  3 hrs

**Sophomore Year - Spring** 16 hrs
- HUN 2201  Fundamentals of Human Nutrition  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- GEP Communication  3 hrs
- GEP Cultural  3 hrs
- GEP Historical  3 hrs

**Sophomore Year - Summer** 6 hrs
- ATR 4014C  Principles of Athletic Training Lab  3 hrs
- ATR 3102  Principles of Athletic Training  3 hrs
- Foreign Language (If not satisfied in high school)  4 hrs

**Junior Year - Fall** 10 hrs
- ATR 312L  Practicum in Athletic Training I  4 hrs
- ATR 3012C  Clinical Skills for Athletic Trainers I  3 hrs
- ATR 3212C  Recognition and Evaluation of Athletic Injuries I  3 hrs
- Free Elective (if needed to maintain full-time status)  3 hrs

**Junior Year - Fall** 13 hrs
- PET 4315C  Biomechanics of Sport  3 hrs
- ATR 3822L  Practicum in Athletic Training II  4 hrs
- ATR 4213C  Recognition and Evaluation of Athletic Injuries II  3 hrs
- ATR 3013C  Clinical Skills for Athletic Training II  3 hrs

**Junior Year - Summer** 8 hrs
- PET 4315C  Biomechanics of Sport  3 hrs
- ATR 4202C  Therapeutic Modalities in Athletic Training  4 hrs
- ATR 4940  Athletic Training Elective Internship  0 hrs

**Senior Year - Fall** 13 hrs
- ATR 4512C  Therapeutic Exercise in Athletic Training  4 hrs
- PET 3510C  Physiologic & Metabolic Basis of Human Movement & Performance  3 hrs
- ATR 4315C  Advanced Rehabilitation in Athletic Training  3 hrs
- ATR 4832L  Practicum in Athletic Training III  4 hrs

**Senior Year - Spring** 12 hrs
- ATR 4302C  Therapeutic Modalities in Athletic Training  4 hrs
- PET 4606  Applied Fitness in Sport  3 hrs
- ATR 4933  Athletic Training Seminar  1 hr
- ATR 4842L  Practicum in Athletic Training IV  4 hrs
- ATR 4103  Case Studies in Sports Medicine  3 hrs
- ATR 4112L  Acute Care in Athletic Training  1 hr
Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19.50 per term
- Full-Time Student: $39 per term

Biology (B.S.)
College of Sciences
Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

The Biology B.S. degree allows the student to choose coursework to be awarded the general Biology B.S. degree or to select a track in one (or more) of five areas, which are:- Ecology, Evolutionary and Conservation Biology- Marine and Aquatic Biology- Plant Sciences- Pre-Health Professional Biology- Zoology and Pre-Veterinarian Science. These tracks are designed to align students with specific courses that will prepare them for the job market or more advanced study.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Biology.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- A “C” (2.0) or better is required in all Core Courses with a BSC or PCB prefix.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing (60 hours), Biology majors are expected to have completed the following courses and associated chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.
- At least one course completed in each Foundation area must be a designated State General Education Core Course.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Mathematics: 3 hrs

- Prior to enrolling in Math, take Math Placement Test - http://utc.sdes.ucf.edu
- Suggested MAC 2233 Concepts of Calculus or 3 hrs
- Suggested MAC 2253 Applied Calculus or 3 hrs
- Prefer MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- A minimum grade of “C” (2.0) is required for this Biology course to be used as a prerequisite.
- Required BSC 2010C Biology I 4 hrs

Select the sequence identified by the Chemistry Placement exam;
- Prior to enrolling in Chemistry, take Chemistry Placement Test - http://knightsource.sdes.ucf.edu/placement
- For students with a strong chemistry background and a high Chemistry Placement score:
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs
  - or - Students with little chemistry background should take this two semester equivalent instead.
    - Required CHM 2040 Chemistry Fundamentals IA 3 hrs
    - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- Completion of the CPPs should take into account the GEP and Major requirements. Although other courses may satisfy the CPP, those identified in this section specifically satisfy the major requirements.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.

Biology:
- A minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite. While a lower grade may satisfy the CPP, it will not satisfy the major.
  - BSC 2010C Biology I GEP 4 hrs
  - BSC 2011C Biology II 4 hrs

Chemistry:
- Take Placement test before starting chemistry;
  - CHM 2045C Chemistry Fundamentals I 4 hrs

or - both of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

and - both of the following:
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
- Select one math course and this statistics course.
  - MAC 2233 Concepts of Calculus or GEP
  - MAC 2253 Applied Calculus or GEP
UCF Degree Programs

or

MAC 2311C  Calculus with Analytic Geometry I and  7 hrs  STA 2023  Statistical Methods I
Physcs: Complete one entire sequence  8 hrs  PHY 2054C  College Physics II
- or  8 hrs  PHY 2048C  General Physics Using Calculus I and
  PHY 2049C  General Physics Using Calculus II

3. Core Requirements: Basic Level  (8 hrs)
- All courses specifically identified in the preceding
  Common Program Prerequisites section of this catalog are
  also required in the Basic Core;

Biology Basic Core:
- A minimum grade of “C” (2.0) is required in these
  Biology courses to satisfy the requirement, and to allow their
  use as a course prerequisite.

Take all of the following:
  BSC 2011C  Biology I and  3 hrs  GEP/CPP
  BSC 2011C  Biology II

Cognate Sciences Basic Core:
Chemistry Sequence
  CHM 2045C  Chemistry Fundamentals I  GEP/CPP

or
  CHM 2041  Chemistry Fundamentals IA and  GEP/CPP
  CHM 2041  Chemistry Fundamentals IB

and
  CHM 2046  Chemistry Fundamentals II and  GEP/CPP
  CHM 2046L  Analytical Chemistry Laboratory

Organic or Analytic Sequence  6 hrs
  Preferred CHM 2010 Organic Chemistry I and  3 hrs
  Preferred CHM 2211 Organic Chemistry II and  3 hrs
  CHM 2211L  Organic Laboratory Techniques I  2 hrs

or
  CHM 3120  Analytical Chemistry and  8 hrs
  CHM 3120L  Analytical Chemistry Laboratory  1 hr

Physics Sequence
  PHY 2053C  College Physics I and  GEP/CPP
  PHY 2054C  College Physics II  3 hrs

or
  PHY 2048C  General Physics Using Calculus I and  GEP/CPP
  PHY 2049C  General Physics Using Calculus II  3 hrs

Mathematics
  MAC 2333  Concepts of Calculus or  GEP/CPP
  MAC 2323  Applied Calculus or  GEP/CPP
  Preferred MAC 2311C Calculus with Analytic Geometry I

and
  STA 2023  Statistical Methods I  3 hrs  GEP/CPP

4. Core Requirements: Advanced Level  (13 hrs)

Biology Advanced Core:
- Note: A minimum grade of “C” (2.0) is required in these
  Biology courses to satisfy the requirement, and to allow their
  use as a course prerequisite.
  PCB 3023  Molecular Cell Biology  3 hrs
  PCB 3044  Principles of Ecology  3 hrs
  PCB 3063  Genetics  3 hrs
  PCB 4683  Evolutionary Biology  4 hrs

Biology Laboratories:
- Students are required to take two labs from those listed
  below
- At least one of these labs must come from section A.

A. Laboratories
  PCB 3044L  Principles of Ecology Laboratory  1 hr
  PCB 3063L  Genetics Laboratory  1 hr
  PCB 4683L  Evolutionary Biology Lab  1 hr

B. Laboratories
- May include other laboratories as approved by an
  advisor
  BOT 4223C  Plant Anatomy  4 hrs
  BOT 4303C  Plant Kingdom  5 hrs
  BOT 3018C  Culinary Botany Across the Cultures  3 hrs
  BOT 4713C  Plant Taxonomy  5 hrs
  BSC 4312C  Advanced Marine Biology  4 hrs
  ENY 4040C  General Entomology  4 hrs
  ZOO 3713C  Comparative Vertebrate Anatomy  5 hrs
  ZOO 4462C  Herpetology  4 hrs
  ZOO 4603C  Embryology/Development  5 hrs

Biology Tracks
For each track the following apply:
- Student must complete at least one course dealing
  exclusively with zoology and one course dealing exclusively
  with botany.
- A minimum C (2.0) required in all courses in the track.
- A minimum C (2.0) overall required for the track.
- No substitutions are allowed.
- At least 10 hours of the Upper Division Restricted electives
  must be taken within the UCF Biology Department.

Courses offered by the Department of Biology have
been identified. Additional courses may be used to meet
requirements with approval of the undergraduate program
coordinator via petition.
- Transferred courses must be at a 3000 level or
  higher, and be evaluated by the undergraduate program
  coordinator, in order to count as an Upper Division
  Restricted Elective.
- Courses at the 5000 level are only open to seniors and
  beginning graduate students. Faculty teaching course must
  approve override.

5. Restricted Electives  (22 hrs)

Biology B.S.: General Track  22 hrs
- A biology major who meets the GEP, core, lab, and
  upper division restricted electives requirements, as well
  as all UCF graduation requirements is eligible to receive a
  general B.S. in Biology.

Restricted Electives  22 hrs
Courses must be selected from the list below.
  1 ANT 3550C  Primatology  3 hrs
  2 BCH 4053  Biochemistry I  3 hrs
  2 BCH 4054  Biochemistry II  3 hrs
  2 BOT 3018C  Culinary Botany Across the Cultures  3 hrs
  2 BOT 3802  Ethnobotany  3 hrs
  2 BOT 4223C  Plant Anatomy  4 hrs
  2 BOT 4303C  Plant Kingdom  5 hrs
  2 BOT 4434C  General Mycology  4 hrs
  2 BOT 4503  Plant Physiology  3 hrs
  2 BOT 4713C  Plant Taxonomy  5 hrs
  2 BOT 4850  Medicinal Botany  3 hrs
  3 BSC 3052  Conservation Biology  3 hrs
  3 BSC 3312  Principles of Marine Biology  3 hrs
  3 BSC 4312C  Advanced Marine Biology  4 hrs
  3 BSC 4330  Invasion Biology  3 hrs
  3 BSC 4821  Biogeography  4 hrs
  3 BSC 4861L  Urban Ecological Field Studies  3 hrs
  3 BSC 5258L  Tropical Biology Research and  3 hrs
  Conservation
  1 ENY 4004C  General Entomology  4 hrs
  1 ENY 5006C  Entomology  4 hrs
  2 MCB 3020C  General Microbiology  5 hrs
  2 PAZ 4243  Zoo and Aquarium Management  3 hrs
  3 PCB 3343L  Principles of Field Ecology  2 hrs
  3 PCB 3354  Tropical Ecology and Conservation  3 hrs
  3 PCB 3355L  Tropical Marine Biology  2 hrs
  3 PCB 3442  Aquatic Ecology  3 hrs
  3 PCB 4353  Florida Ecology, Natural History and  3 hrs
  Conservation
  3 PCB 5435C  Marine Ecology of Florida  4 hrs
  1 PCB 5485  Models in Ecology  3 hrs
  1 PCB 5485  Models in Ecology  3 hrs
  3 PCB 3354  Tropical Ecology and Conservation  3 hrs
  3 PCB 4514  Genetics II  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
146 Undergraduate Catalog 2016-2017
### Biology B.S.: Ecology, Evolutionary and Conservation Biology Track

**Required Electives (choose two from the following): (6-8hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3052</td>
<td>Conservation Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4821</td>
<td>Biogeography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4684</td>
<td>Population Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (choose from the following): (7-9hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4303C</td>
<td>Plant Kingdom</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BSC 4330</td>
<td>Invasion Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4821</td>
<td>Biogeography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 3052</td>
<td>Conservation Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4861L</td>
<td>Urban Ecological Field Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3343L</td>
<td>Principles of Field Ecology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3355L</td>
<td>Tropical Marine Biology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4353</td>
<td>Florida Ecology, Natural History and Conservation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4678</td>
<td>Evolution and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4684</td>
<td>Population Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5326C</td>
<td>Ecosystems of Florida</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Mammalogy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Additional Biology Electives: (5-9hrs)**

- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Marine and Aquatic Biology Track

**Required Elective**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 3312</td>
<td>Principles of Marine Biology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (choose from the following):**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4821</td>
<td>Biogeography</td>
<td>4 hrs</td>
</tr>
<tr>
<td>OCE 3008</td>
<td>Oceanography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3355L</td>
<td>Tropical Marine Biology</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoan Invertebrates</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Mammalogy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>Ichthyology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Additional Biology Electives: (7 hrs)**

- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Pre-Health Professional Biology Track

**Required Electives (choose two from the following): (9-10hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (choose from the following): (5-6hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>General Mycology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 4850</td>
<td>Medicinal Botany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4678</td>
<td>Evolution and Medicine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoan Invertebrates</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Additional Biology Electives (6-8hrs)**

- Courses must be selected from the General Biology Track restricted elective list

### Biology B.S.: Zoology and Pre-Veterinarian Science Track

**Required Electives (choose one from the following): (3-4hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (choose from the following): (11-12hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANH 3503C</td>
<td>Primatology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENY 4004C</td>
<td>General Entomology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4723</td>
<td>Animal Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoan Invertebrates</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Mammalogy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Additional Biology Electives: (6-8hrs)**

- Courses must be selected from the General Biology Track restricted elective list

### 6. Capstone Requirements

- None
UCF Degree Programs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or
  one year of one foreign language in college (or equivalent
  proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after
  consulting with your departmental advisor. May be outside
  of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A "C" (2.0) or better is required in all Core Courses with
  a BSC or PCB prefix.
- Students must achieve a minimum cumulative GPA of
  2.0 in all UCF courses taken in the Common Program
  Prerequisites, the Biology Core and the Upper Division
  Restricted Electives.
- All attempts of UCF courses that could meet
  requirements are included in the major GPA calculation. All
  attempts of UCF courses listed for the major taken beyond
  the minimum required are included in the GPA calculation
  (e.g., additional restricted electives taken beyond the
  required 22 hours).
- Departmental Residency Requirement consists of at
  least 22 semester hours of regularly scheduled 3000-4000
  level courses taken from the UCF Department of Biology.
- Students are required to pass the comprehensive exit
  exam in Biology. We recommend that this exam be taken as
  soon as you have completed all of the Biology core courses.
  A passing grade is determined as a scaled score greater
  than the bottom 10% of nation-wide test takers.
- Students seeking a double major must satisfy the
  requirements for both majors and must take no fewer
  than 40 semester hours of upper division restricted
  elective course work appropriate to the combined areas of
  specialization in the two majors.
- Biology majors are discouraged from taking courses as
  a transient student at a Florida College System institution.
  Although all classes are listed as being taken during the
  academic year, you may be required to complete 9 hours
  of Summer credit.
- Complete the General Education Program, the Gordon
  Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor
  before registering for courses.
- It is the student’s responsibility to ensure they have
  satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses do not substitute for upper
  division courses.
- Courses transferred from private and out-of-state
  schools must be evaluated for equivalency credit by the
  undergraduate program coordinator. The student must
  provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Honors versions of courses will substitute for regular
  versions.
- The following substitutions are acceptable for common
  program prerequisites if taken as part of the AA course
  work. Although the CPP may be satisfied, prerequisites for
  subsequent Biology courses may still have to be met:
  - BSC 2010C: BSCX040/X040L
  - BSC 2011C: BSCX041/X041L; ZOOX010/X010L;
    BOTX010/X010L; BOTX013/X013L
  - CHM 2046/CHM 2046L: CHMX046C
  - Math/Statistics and Physics: Although a number of
    courses will satisfy the CPP, please refer to the catalog
    copy for the specific courses that are required in the
    program.

Plan of Study
- This is one of numerous possible plans of study.
  See program description for all requirements. Consult a
  departmental advisor for alternate, new or more appropriate
  selections.
- Prior to enrolling in CHM 2045C, take Chemistry
  Placement Test. Instructions are at
  http://knightsource.sdes.ucf.edu/placement
  - Prior to enrolling in Math, take Math Placement Test ~
    http://utc.sdes.ucf.edu
  - Although all classes are listed as being taken during the
    academic year, you may be required to complete 9 hours
    of them during the Summer. Consult with an advisor to
determine if you are exempt

Freshman Year - Fall
- 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math Course, depending on placement score 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring
- 14 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - Note: This lab may be taken in a later term if seats are not
    available.
- ENC 1102 Composition II 3 hrs
- Math Course 3 hrs

Freshman Year - Summer
- 7 hrs
- Math Course 4 hrs
- GEP 3 hrs

Sophomore Year - Fall
- 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2053C College Physics I 4 hrs
- GEP 3 hrs
- GEP 4 hrs

Sophomore Year - Spring
- 13 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- GEP 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PHY 2054C College Physics II 4 hrs

Sophomore Year - Summer
- 5 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- GEP 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Biomedical Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a BSBS academic advisor at least once per semester.

1. UCF General Education Program (GEP) (38 hrs)
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
- Suggested MAC 2311C Calculus with Analytic Geometry I or
- Suggested MAC 2233 Applied Calculus 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

1 or CHM 2040 and CHM 2041

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 yrs
1 BSC 2011C Biology II 4 hrs
2 CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 yrs
STA 2023 Statistical Methods I 4 yrs
STA 2023C Calculus with Analytic Geometry II 4 hrs
CHM 2220 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and
PHY 2054C College Physics II 4 hrs
or
PHY 2048C General Physics Using Calculus I and
PHY 2049C General Physics Using Calculus II 4 hrs

1 This course is substituted with BSC 3403C.
2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level

Biomedical Science (Non-Track) 25 hrs
- The following core courses are for students completing the general Biomedical Science degree.

Life Sciences 22 hrs
- MCB 3020C General Microbiology 5 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 3222 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or
- MCB 4410 Cellular Metabolism 3 hrs

Select one of the following sequences of courses:

- PCB 4280 Molecular Immunology and
- PCB 3233L Immunology Laboratory 1 hr

or
- PCB 3233 Immunology and
- PCB 3233L Immunology Laboratory 1 hr

Chemistry 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Biomedical Science (Track Option) 34 hrs
- Students in the Molecular Microbiology and Molecular and Cellular Biology Tracks must complete the following courses in addition to completing 12 hours in their track core listed below.

BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- BCH 4053 Biochemistry I 3 hrs
- PCB 3222 Molecular Biology I 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4280 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
Molecular and Cellular Biology Track Core 12 hrs

Students must choose three (3) electives from the list below:

- Classical Genetics 3 hrs
- Molecular and Cellular Genetics 3 hrs
- Human Genetics 4 hrs
- Clinical Genetics 3 hrs
- Genetic Counseling 3 hrs
- Human Molecular Genetics 3 hrs
- Biochemistry of Epigenetics 3 hrs
- Biochemistry of Gene Regulation 3 hrs
- Genomics 3 hrs
- Bioinformatics 3 hrs

Molecular Microbiology Track Core 12 hrs

Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

Molecular Microbiology Track Electives 11 hrs

Students must choose three (3) courses from the list below:

- At least two (2) must have a laboratory component
- BOT 4434C General Mycology 4 hrs
- MCB 3202 Principles of Infectious Disease 3 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 4207 Infectious Processes 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 4603 Environmental Microbiology 3 hrs
- MCB 4712C Methods in Bacteriology 4 hrs
- MCB 5654C Applied Industrial Microbiology 3 hrs
- PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- PCB 5238 Immunobiology 3 hrs

An additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

1. Must also choose MCB 3203L Pathogenic Microbiology Lab

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- None

8. Electives

- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Molecular Microbiology and Molecular and Cellular Biology track students must complete all coursework in the baccalaureate curriculum as shown and earn a GPA of at least 3.2 for all coursework in the sciences.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - CHM 2043C Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis:
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs may be substituted with: CHM 2040
- CHM 2045C Chemistry Fundamentals I 4 hrs may be substituted with: CHM 2041
- Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- †MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MCB 4970H Honors Undergraduate Thesis II 1 hr

Junior Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2211L Organic Laboratory Techniques I or Elective 2 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or Introduction to Computers 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs
- Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or Elective 3 hrs

Sophomore Year - Summer
- Restricted Elective or Elective 3 hrs

Select 1: 3 hrs
- CHM 2211L Organic Laboratory Techniques I or Elective 2 hrs

Junior Year - Fall
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 4 hrs
- PHY 2053C College Physics I or General Physics Using Calculus I 4 hrs
- †PHY 2048C General Physics Using Calculus II 4 hrs

Junior Year - Spring
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- PHY 2054C College Physics II or General Physics Using Calculus II 4 hrs
- †PHY 2049C General Physics Using Calculus II 4 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or PCB 3233 or Restricted Elective 4 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or PCB 3233 or Restricted Elective 3 hrs

Senior Year - Fall
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Senior Year - Spring
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term
UCF Degree Programs

Biomedical Sciences - Preprofessional
Concentration (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements
- None
- Degree Requirements
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Students should complete the General Education Program before transferring within the Florida College System or State University System.
  - Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
  - Students should consult with a BSBS academic advisor and the Office of Pre-Health and Pre-Law Advising at least once per semester.

1. UCF General Education Program (GEP) (36 hrs)
- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>BSC 2010C  Biology I  GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101  Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102  Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1603C  Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

#### Chemistry

- **Related Minors**
  - Biology
  - Biotechnology
  - Clinical Neuroanatomy and Neuroscience

- **Certificates**
  - Clinical Laboratory Sciences
  - Medical Laboratory Sciences

- **Medical Laboratory Sciences**
  - 3 credits.

- **Related Programs**
  - Biology
  - Chemistry
  - Medical Laboratory Sciences

#### Related Minors

- Biology
- Chemistry

---

### Plan of Study

#### Freshman Year - Fall

- **1** Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this combination to count as 1 restricted elective.

#### 6. Capstone Requirements

- **None**

#### 7. Foreign Language Requirements

- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

- **Graduation**
  - None

#### 8. Electives

- **Variable**

#### 9. Additional Requirements

- **None**

#### 10. Required Minors

- **None**

#### 11. Departmental Exit Requirements

- **Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.**

- **Independent study, directed research, or similar credit may not be used as a Restricted Elective.**

- **Minimum of 20 hours must be taken at UCF in the department of the major.**

- **Students will be required to take a comprehensive test during their last semester.**

#### 12. University Minimum Exit Requirements

- **A 2.0 UCF GPA**

- **60 semester hours earned after CLEP awarded**

- **48 semester hours of upper division credit completed**

- **30 of the last 39 hours of course work must be completed in residency at UCF.**

- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**

- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

#### Total Semester Hours Required

- **120**

#### Honors In Major

- **Application and admission through the Department and the Burnett Honors College.**

- **Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.**

- **Complete the following with a grade of B or better (4 credits):**
  - BSC 3403C Honors Quantitative Biological Methods 4 hrs

- **Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits).**
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

#### Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

#### Certificates

- None

#### Related Minors

- Biology
- Chemistry

---

### Undergraduate Catalog 2016-2017

### Advising Notes

- **None**

### Transfer Notes

- **Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.**

- **Lower division courses do not substitute for upper division courses.**

#### Acceptable Substitutes for Transfer Courses

- **BS 2011C Biology II**
  - 4 hrs
  - May be substituted with: BSC 3403C

- **CHM 2045C Chemistry Fundamentals I**
  - 4 hrs
  - May be substituted with: CHM 2040

- **CHM 2045C Chemistry Fundamentals I**
  - 4 hrs
  - May be substituted with: CHM 2041

### Plan of Study

#### Freshman Year - Spring

- **Freshmen**
  - 14 hrs

- **ENC 1101 Composition I**
  - 3 hrs

- **CHM 2045C Chemistry Fundamentals I**
  - 4 hrs

- **1 MAC 2311C Calculus with Analytic Geometry I**
  - 4 hrs

- **SLS 2311C Overview of Select Medical Careers**
  - 2 hrs

- **GEP**
  - 3 hrs

#### Sophomore Year - Fall

- **Sophomore**
  - 14 hrs

- **CHM 2210 Organic Chemistry I**
  - 3 hrs

- **MCB 3020C General Microbiology**
  - 5 hrs

- **GEP**
  - 3 hrs

- **Select 1:**
  - 3 hrs

- **STA 2023 Statistical Methods I or**
  - 3 hrs

- **CGS 1060C Introduction to Computers**
  - 3 hrs

#### Sophomore Year - Spring

- **Sophomore**
  - 16 hrs

- **CHM 2211 Organic Chemistry II**
  - 3 hrs

- **BSC 3403C Quantitative Biological Methods**
  - 4 hrs

- **GEP**
  - 3 hrs

- **Restricted Elective or Elective**
  - 3 hrs

- **Select 1:**
  - 3 hrs

- **CHM 2211L Organic Laboratory Techniques I or**
  - 2 hrs

- **Elective**
  - 3 hrs

#### Sophomore Year - Summer

- **Sophomore**
  - 9 hrs

- **Restricted Elective or Elective**
  - 3 hrs

- **Elective**
  - 3 hrs

- **Select 1:**
  - 3 hrs

- **CHM 2211L Organic Laboratory Techniques I or**
  - 2 hrs

- **Elective**
  - 3 hrs

#### Junior Year - Fall

- **Junior**
  - 13 hrs

- **PCB 3522 Molecular Biology I**
  - 3 hrs

- **Select 1:**
  - 3 hrs

- **GEP**
  - 3 hrs

- **Restricted Elective**
  - 3 hrs

- **Select 1:**
  - 4 hrs

- **PHY 2053C College Physics I or**
  - 4 hrs

- **1 PHY 2048C General Physics Using Calculus I**
  - 4 hrs

#### Junior Year - Spring

- **Junior**
  - 13 hrs

- **PCB 4524 Molecular Biology II**
  - 3 hrs

- **Restricted Elective**
  - 3 hrs

- **Select 1:**
  - 4 hrs

- **1 PHY 2048C General Physics Using Calculus II or**
  - 4 hrs

- **PHY 2054C College Physics II**
  - 4 hrs

---

### Undergraduate Catalog 2016-2017

### University of Central Florida

153

---

### UNIVERSITY OF CENTRAL FLORIDA

---

### UCF Undergraduate Catalog 2016-2017

---

### Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017

---

### University of Central Florida

---

### UCF Undergraduate Catalog 2016-2017
UCF Degree Programs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall 12 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Select 1: 3 hrs
- PCB 3233L and PCB 4280 Molecular Immunology or 3 hrs
- PCB 3233 or Restricted Elective 3 hrs

Senior Year - Spring 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- BCH 4053 Biochemistry I 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/acl/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Biotechnology (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu

Dr. Griffith Parks, Director
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a BSBS academic advisor at least once per semester.
- Courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours
- Grades below "C" in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- Required MAC 2253 Applied Calculus 3 hrs

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- Required MAC 2253 Applied Calculus 3 hrs

D: Social Foundations (6 hrs)
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required BSC 2010C Biology I 4 hrs

E: Science Foundations
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- MAC 2311C Calculus with Analytic Geometry I GEP

Select one of the following courses of courses:
- PCB 4280 Molecular Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
- PCB 4414 Microbial Metabolism or 3 hrs
- PCB 4410 Cellular Metabolism 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

Physics
- PHY 2053C College Physics I and 3 hrs
- PHY 2054C College Physics II 4 hrs

Select one of the following courses:
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs

Math
- Select 1: 3 hrs
- Required MAC 2311C Calculus with Analytic Geometry I or GEP
- Required MAC 2253 Applied Calculus GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
Those students who do not qualify for MCB 4970H may elect MCB 4912 Undergraduate Research as a substitute course, but a research report must be submitted to instructor after completion of research project.

BCH 4054  Biochemistry II  3 hrs
BCH 4103L  Biochemical Methods  2 hrs
† MCB 3203  Pathogenic Microbiology  3 hrs
MCB 4404  Bacterial Genetics and Physiology  3 hrs
MCB 4207  Infectious Processes  3 hrs
MCB 4204  Cellular Microbiology: Host-Pathogen Interactions  3 hrs
PCB 4284  Immunobiology  3 hrs
MCB 4503C  Virology  3 hrs
MCB 4603  Environmental Microbiology  3 hrs
MCB 4912  Directed Independent Research  3 hrs
MCB 4970H  Honors Undergraduate Thesis II  3 hrs
MCB 5226  Molecular Biology of Disease  3 hrs
MCB 5505  Molecular Virology  3 hrs
MCB 5654C  Applied Industrial Microbiology  3 hrs
MCB 5932  Current Topics in Molecular Biology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 3703C  Human Physiology  3 hrs
PCB 4234  Cancer Biology  3 hrs
PCB 4521  Tissue Engineering  3 hrs
PCB 4805  Endocrinology  3 hrs
PCB 5275  Signal Transduction Mechanics  3 hrs
† Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ Variable

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ A student must complete all coursework in the Baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
■ A minimum of 20 hours must be taken at UCF in the department of the major.
■ Students will be required to take a comprehensive test during their last semester.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ Application and admission through the department and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
■ Complete the following with a grade of B or better: BSC 3403C Honors Quantitative Biological Methods  4 hrs

■ Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H Honors Undergraduate Thesis II  3 hrs

Related Programs
■ Biology
■ Chemistry
■ Medical Laboratory Sciences
■ Biomedical Sciences

Certificates
■ None

Related Minors
■ Biology
■ Chemistry
■ Biomedical Sciences

Advising Notes
■ None

Transfer Notes
■ Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Acceptable Substitutes for Transfer Courses
■ Substitutes for Common Program Prerequisites
■ MAC X311 or MAC X233 or MAC X353 or MAC X281
■ PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
■ STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes
CHM 2045C may be substituted with CHM 2040 and CHM 2041
BSC 2011C  Biology II  4 hrs
may be substituted with: BSC 3403C
CHM 2045C  Chemistry Fundamentals I  4 hrs
may be substituted with: CHM 2040
CHM 2045C  Chemistry Fundamentals I  4 hrs
may be substituted with: CHM 2041
Plan of Study
Freshman Year - Fall 14 hrs
ENC 1101  Composition I  3 hrs
† MAC 2311C  Calculus with Analytic Geometry I  4 hrs
GEP  3 hrs
† or follow math sequence determined by Math Placement Exam.

Freshman Year - Spring 14 hrs
ENC 1102  Composition II  3 hrs
BSC 2010C  Biology I  4 hrs
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
GEP  3 hrs

Sophomore Year - Fall 14 hrs
CHM 2210  Organic Chemistry I  3 hrs
MCB 3202C  General Microbiology  5 hrs
GEP  3 hrs

Select 1: 3 hrs
STA 2023  Statistical Methods I or 3 hrs
CGS 1060C  Introduction to Computers  3 hrs

Sophomore Year - Spring 16 hrs
CHM 2211  Organic Chemistry II  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
GEP  3 hrs
Restricted Elective or Elective  3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective  3 hrs

Sophomore Year - Summer 9 hrs
Restricted Elective or Elective  3 hrs
Elective  3 hrs

Select 1: 3 hrs
CHM 2211L Organic Laboratory Techniques I or 2 hrs
Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Chemistry (B.S.)
College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patio@ucf.edu

Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Co-op or internship credit cannot be used in the major
■ Students should consult with a departmental advisor
■ Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
■ Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution
■ All prerequisites of courses taught within the College of Sciences will be enforced.
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
■ AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major.
These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution):

Junior Year - Fall
13 hrs
PCB 3522 Molecular Biology I
3 hrs
MCB 4720 Industrial Perspectives Seminar
3 hrs
GEP
3 hrs
Select 1:
4 hrs
PHY 2053C College Physics I or
1 PHY 2048C General Physics Using Calculus I
4 hrs
1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311C/2312 as prerequisites.

Junior Year - Spring
15 hrs
PCB 4524 Molecular Biology II
3 hrs
PCB 4280 Molecular Immunology
3 hrs
PCB 3233L Immunology Laboratory
1 hr
PCB 4529C Experimental Molecular Cell Biology
4 hrs
Select 1:
4 hrs
PHY 2054C College Physics II or
1 PHY 2049C General Physics Using Calculus II
4 hrs
1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall
13 hrs
MCB 4721C Methods in Biotechnology
4 hrs
MCB 4312 Molecular Biotechnology
3 hrs
Restricted Elective or Elective
3 hrs
Select 1:
3 hrs
BCH 4053 Biochemistry I or
3 hrs
MCB 4414 Microbial Metabolism
3 hrs

Senior Year - Spring
12 hrs
PCB 4174 Foundation of Bio-Imaging Science
3 hrs
GEP
3 hrs
Restricted Elective or Elective
3 hrs
Select 1:
3 hrs
BCH 4053 Biochemistry I or
3 hrs
MCB 4414 Microbial Metabolism
3 hrs

For students who transfer in their junior year from a Florida College System institution, the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at an FCS institution):

Junior Year - Fall
Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
MCB 3020C General Microbiology
5 hrs
MCB 4720 Industrial Perspectives Seminar
3 hrs
Restricted Elective
3 hrs
Free Elective
3 hrs

Junior Year - Spring
PCB 3522 Molecular Biology I
3 hrs
BSC 3403C Quantitative Biological Methods
4 hrs
BCH 4053 Biochemistry I
3 hrs
Restricted Elective
3 hrs

Senior Year - Fall
MCB 4414 Microbial Metabolism
3 hrs
MCB 4721C Methods in Biotechnology
4 hrs
MCB 4312 Molecular Biotechnology
3 hrs
Elective 3000 level
3 hrs

Senior Year - Spring
PCB 4524 Molecular Biology II
3 hrs
PCB 4280 Molecular Immunology
3 hrs
PCB 3233L Immunology Laboratory
1 hr
PCB 4529C Experimental Molecular Cell Biology
4 hrs
PCB 4174 Foundation of Bio-Imaging Science
3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $39 per term
■ Full-Time Student: $78 per term

UNIVERSITY OF CENTRAL FLORIDA
156 Undergraduate Catalog 2016-2017
## UCF Degree Programs

### 6. Capstone Requirements

None

### 7. Foreign Language Requirements

**Admissions**
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Students must earn at least a “C” (2.0) or better in each UCF Chemistry course used to satisfy the major.
- Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
- Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
- For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM4912, CHM4930, and CHM4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a “C” (2.0) or better is earned, are also included in the major GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residence at UCF.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements and may include courses that satisfy degree requirements.
- Students must earn at least a “C” (2.0) or better in each UCF Chemistry course used to satisfy the major.
- Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
- Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
- For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM4912, CHM4930, and CHM4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a “C” (2.0) or better is earned, are also included in the major GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residence at UCF.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### 13. Honors in Major

- None

### Related Programs

- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences
- Science Education - Chemistry
- Chemistry - Biochemistry Track

### Certificates

- None

### Related Minors

- Chemistry
- Biomedical Sciences
- Biology
- Physics
UCF Degree Programs

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM X040C plus CHM X041C.
  - Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take the Chemistry Placement Test: http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, you must take Math Placement Test: http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 14 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring 14 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

Junior Year - Fall 16 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- GEP 3 hrs

Junior Year - Spring 16 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Fall 16 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4912 Directed Independent Research 2 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- CHM 4912 Directed Independent Research 2 hrs
- CHM 4931 Chemistry Seminar II 1 hr
- GEP 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Chemistry - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry

Email: pedro.patio@ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required CHM 3120L Analytical Chemistry Laboratory and CHM 3120 Analytical Chemistry 6 hrs
- Prefer PHY 2048C General Physics Using Calculus I and GEP 3 hrs

D: Social Foundations (6 hrs)
- Required PHY 2048C General Physics Using Calculus I and GEP 4 hrs
- Required BSC 2010C Biology I 3 hrs

E: Science Foundations (8 hrs)
- Required PHY 2049C General Physics Using Calculus II 4 hrs
- Required PHY 2312L Laboratory Methods in General Physics and PHY 2312 General Physics Using Calculus II and GEP 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)

Select either:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB 6 hrs
- CHM 2046 Chemistry Fundamentals II and CHM 2046L Chemistry Fundamentals Laboratory and 3 hrs
- CHM 2210 Organic Chemistry I and CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I and CHM 2211L Organic Laboratory Techniques II and 3 hrs
- MAC 2311C Calculus with Analytic Geometry I and MAC 2311C Calculus with Analytic Geometry II and 2 hrs
- MAC 2312 Calculus with Analytic Geometry II and PHY 2049C General Physics Using Calculus II and GEP 4 hrs
- PHY 2048C General Physics Using Calculus I and GEP 4 hrs

3. Core Requirements: Basic Level (10 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
Select either:
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2040 Chemistry Fundamentals IA and CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2046 Chemistry Fundamentals II and CHM 2046L Chemistry Fundamentals Laboratory and 3 hrs
- CHM 2210 Organic Chemistry I and CHM 2211 Organic Chemistry II and CPP
- CHM 2211L Organic Laboratory Techniques I and CPP
- MAC 2311C Calculus with Analytic Geometry I and MAC 2311C Calculus with Analytic Geometry II and 2 hrs
- PHY 2049C General Physics Using Calculus I and GEP 4 hrs
- PHY 2049C General Physics Using Calculus II and CPP

Basic Core: Additional Requirements 10 hrs
- BSC 2010C Biology I and GEP 3 hrs
- CHM 3120 Analytical Chemistry and CHM 3120L Analytical Chemistry Laboratory and 1 hr
- CHM 3215L Organic Laboratory Techniques II and MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 2023 Statistical Methods I or GEP 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel GEP

4. Core Requirements: Advanced Level (37 hrs)

- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs

5. Restricted Electives (10 hrs)

Select from the following:
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4906 Directed Independent Study 1 hr
- CHM 5225 Advanced Organic Chemistry 3 hrs
- PCB 3522 Molecular Biology I 3 hrs

Additional upper level courses as approved by a departmental advisor

One of the following may be used as a Restricted Elective:
- CHM 4220 Organic Chemistry III or 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.

- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Students must earn at least a “C” (2.0) or better in each UCF Chemistry course used to satisfy the major.
- Students must maintain a minimum cumulative GPA of 2.0 in all UCF Chemistry courses.
- Students must maintain a minimum cumulative GPA of 2.0 in all Chemistry courses.
- For both cumulative GPA calculations, all attempts of courses that could meet requirements are included, with the exception of CHM4912, CHM4930 and CHM4931. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives taken beyond the required 10 hours) and a “C” (2.0) or better is earned, are also included in the major GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

10. Required Minors

11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
1. University Minimum Exit Requirements
  ■ A 2.0 UCF GPA
  ■ 60 semester hours earned after CLEP awarded
  ■ 48 semester hours of upper division credit completed
  ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
  ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Biology
■ Chemistry
■ Forensic Science - Analysis Track
■ Forensic Science - Biochemistry Track
■ Biomedical Sciences

Certificates
■ None

Related Minors
■ Chemistry
■ Biology
■ Biomedical Sciences

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  ■ CHM 2045C: May use CHM X040C plus CHM X041C.
  ■ Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
■ Prior to enrolling in Math, take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement
■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
CHM 2045C Chemistry Fundamentals I 4 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
BSC 2010C Biology I 4 hrs
ENC 1101 Composition I 3 hrs

Freshman Year - Spring
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.
MAC 2312 Calculus with Analytic Geometry II 4 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
Statistics 3 hrs

Sophomore Year - Spring
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PHY 2049C General Physics Using Calculus II 4 hrs
PCB 3063 Genetics 3 hrs

Junior Year - Fall
BCH 4053 Biochemistry I 3 hrs
CHM 3215L Organic Laboratory Techniques II 2 hrs
PCB 3023 Molecular Cell Biology 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Senior Year - Fall
CHM 3410 Physical Chemistry I 4 hrs
CHM 4912 Directed Independent Research 1 hr
CHM 4930 Chemistry Seminar I 1 hr
Restricted Elective 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs

Senior Year - Spring
CHM 4931 Chemistry Seminar II 1 hr
CHM 3411 Physical Chemistry II 3 hrs
CHM 4411L Physical Chemistry Laboratory 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
CHM 4912 Directed Independent Research 2 hrs
GEP 4 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term

Civil Engineering (B.S.C.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Kevin Mackie, kevin.mackie@ucf.edu
Phone: 407-823-2841

Admission Requirements
■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
■ Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs

Select one of the following sequences of courses:

- Preferred course
  
  CHS 1440 Principles of Chemistry 4 hrs

- First alternative: Select all of the following:
  
  CHM 2404 Physical Chemistry I 4 hrs
  CHM 2405 Physical Chemistry II 4 hrs

- Second alternative
  
  CHM 2401 General Chemistry I 4 hrs

3. Core Requirements: Basic Level (2 hrs)

- EGR 1005C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

Basic Science

EGR 1001 Introduction to Environmental Science or GEP
GEO 1200 Physical Geography or GEP
GEO 2370 Resources Geography or GEP
GLY 1030 Geology and its Applications GEP

4. Core Requirements: Advanced Level (60 hrs)

- Select 2 of the following 5 sequences to complete

Geotechnical: 6 hrs

CEG 4011C Geotechnical Engineering I 4 hrs
CEG 4011B Geotechnical Engineering II 4 hrs

Water Resources: 6 hrs

CWR 4120 Hydrology and 3 hrs
CWR 4124 Hydrogeology 3 hrs

Transportation: 6 hrs

TTE 4274 Transportation Engineering Systems and 3 hrs
TTE 4300 Transportation Analytics 3 hrs

Structures: 6 hrs

CES 4605 Structural Mechanics 3 hrs
CES 4702 Reinforced Concrete Structures 3 hrs

Mechanics: 6 hrs

EGN 3343 Thermodynamics and 3 hrs
CEG 4025 Structural Mechanics 3 hrs
### Civil Engineering Degree Programs

**Civil Engineering Depth Electives**  
6 hrs  
- Take any of the courses not taken to complete required sequences above or from the following list:  
- **Environmental:**  
  - ENV 4531 Environmental Engineering Unit Operations 3 hrs  
  - ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs  

**Construction:**  
- CCE 4004 Construction Estimating and Scheduling or 3 hrs  
- CCE 4004 Construction Methods 3 hrs  

5. **Restricted Electives**  (3 hrs)  
- Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Capstone Requirements**  (6 hrs)  
- Senior Design Courses  
- **Design Specialization**  
  - 1 CEG Geotechnical Engineering Design or 3 hrs  
  - 1 CES 4743C Structural Design or 3 hrs  
  - 1 CWR Water Resources Design or 3 hrs  
  - 1 TTE 4601C Urban Systems Design 3 hrs  
  - CGN 4808C CECE Capstone Design 3 hrs  

1. A "C" (2.0) or better is required in this course.

7. **Foreign Language Requirements**  

Admissions  
- Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation  
- None

8. **Electives**  
- None

9. **Additional Requirements**  
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. **Required Minors**  
- None

11. **Departmental Exit Requirements**  
- None

12. **University Minimum Exit Requirements**  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF.  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required  
- 128

Honors In Major  
- None

Related Programs  
- Construction Engineering  
- Environmental Engineering

Certificates  
- None

Related Minors  
- Mathematics  
- Engineering Leadership

### Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- The Civil Engineering program offers the opportunity for exceptionally well-qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes  
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.

- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses  
- None

Plan of Study  
(128 hrs)  
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

**Freshman Year - Fall**  
- ENC 1101 Composition I 3 hrs  
- MAC 2311C Calculus with Analytic Geometry I 4 hrs  
- ENC 1102 Composition II 3 hrs  
- EGS 1006C Introduction to the Engineering Profession 1 hr  
- GEP 3 hrs

**Freshman Year - Spring**  
- ENC 1102 Composition II 3 hrs  
- MAC 2312 Calculus with Analytic Geometry II 4 hrs  
- PHY 2048C General Physics Using Calculus I 4 hrs  
- EGN 1007C Engineering Concepts and Methods 1 hr  
- EGN 3613 Engineering Economic Analysis 2 hrs

**Sophomore Year - Fall**  
- MAC 2313 Calculus with Analytic Geometry III 4 hrs  
- EGN 3310 Engineering Analysis-Statics 3 hrs  
- MAC 2311C Calculus with Analytic Geometry I 4 hrs  
- EGN 3310 Engineering Analysis-Statics 3 hrs  
- GEP 3 hrs

**Sophomore Year - Spring**  
- MAP 2302 Ordinary Differential Equations I 3 hrs  
- PHY 2048C General Physics Using Calculus II 4 hrs  
- EGN 3331C Mechanics of Materials 3 hrs  
- GEP 3 hrs  
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs

**Sophomore Year - Summer**  
- GEP 3 hrs  
- ENC 3321 Engineering Analysis-Dynamics 3 hrs  
- CWR 3201C Construction Methods 3 hrs

**Junior Year - Fall**  
- CES 4100C Structural Analysis I and Lab 4 hrs  
- CWR 4202C General Physics Using Calculus II 4 hrs  
- CWR 3201C Construction Methods 3 hrs  
- ENC 3321 Engineering Analysis-Dynamics 3 hrs

**Junior Year - Spring**  
- GEP 3 hrs  
- CCE 4003 Introduction to the Construction Industry 3 hrs  
- CCE 3501C Civil Engineering Materials 3 hrs  
- Depth Area 1, Course 1 3 hrs  
- Depth Area 2, Course 1 3 hrs
### UCF Degree Programs

#### Communication & Conflict (B.A.)

**College of Sciences**  
Nicholson School of Communication,  
NSC, Room: Room 143  
[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

**Dr. James McCafferty, james.mccafferty@ucf.edu**  
Nicholson Academic Student Services, nassc@ucf.edu

**Phone:** 407-823-2681

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.

### Admission Requirements

#### None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course Foundation</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Project Design Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Depth Area 1, Course 2</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Depth Area 2, Course 2</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Depth Elective 1</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Social Foundations (6 hrs)

- Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I (3 hrs)
  - Required ENC 1102 Composition II (3 hrs)
- Select 1:
  - Required SPC 1608 Fundamentals of Oral Communication (3 hrs)
  - Required SPC 1603C Fundamentals of Technical Presentations (3 hrs)
  - Required COM 1000 Introduction to Communication (3 hrs)

#### 3. Core Requirements: Basic Level (3 hrs)

- Speech
  - Select 1:
    - Required SPC 1608 Fundamentals of Oral Communication or (3 hrs)
    - Required SPC 1603C Fundamentals of Technical Presentations or (3 hrs)
    - Required COM 1000 Introduction to Communication (3 hrs)

- Statistics
  - STA 2014C Principles of Statistics (3 hrs)

### 4. Core Requirements: Advanced Level (21 hrs)

#### Internal Restricted Electives: 15 hrs

- Select from the following list:
  - COM 3801 Communication Theories of Interpersonal Conflict (3 hrs)
  - COM 3800 Conflict Communication Research Methods (3 hrs)
  - COM 4804 Conflict & Communication Context (3 hrs)
  - COM 3802 Communication & Conflict (3 hrs)

#### External Restricted Electives: 6 hrs

- A minimum of six credits of any combination of the following can be used as an Internal Restricted Elective:
  - COM 4941 Internship or (1 hr)
  - COM 4906 Directed Independent Study or (1 hr)
  - SPC 4949 Cooperative Education or (0 hrs)
  - COM 4949 Cooperative Education (0 hrs)

- Select 1:
  - ENC 3315 Argumentative Writing (3 hrs)
  - ENC 3311 Essay as Cultural Commentary (3 hrs)
  - ENC 3250 Professional Writing (3 hrs)
  - ENC 3312 Writing and Rhetoric Foundations (3 hrs)
  - ENC 3241 Writing for the Technical Professional (3 hrs)
  - Other upper division COM or SPC courses with prior approval of department advisor.

#### 5. Restricted Electives (21 hrs)

- A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
  - COM 4941 Internship (1 hr)
  - COM 4906 Directed Independent Study (1 hr)
  - SPC 4949 Cooperative Education (0 hrs)
  - COM 4949 Cooperative Education (0 hrs)

#### 6. Capstone Requirements (3 hrs)

- COM 4806 Communication & Conflict Case Studies (3 hrs)

#### 7. Foreign Language Requirements

- Met by graduation requirement.

#### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
UCF Degree Programs

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.
- 
8. Electives
  - Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.
- 
9. Additional Requirements
  - None
  - 
10. Required Minors
  - None
- 
11. Departmental Exit Requirements
  - Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
  - All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
  - To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- 
12. University Minimum Exit Requirements
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF.
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- 
Total Semester Hours Required
  - 120
- 
Honors In Major
  - None
- 
Related Programs
  - None
- 
Certificates
  - None
- 
Related Minors
  - Human Communication
  - Mass Communication
- 
Advising Notes
  - None
- 
Transfer Notes
  - Lower division courses do not substitute for upper division courses.
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- 
Acceptable Substitutes for Transfer Courses
  - None
- 
Plan of Study
  - One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new, or more appropriate selections.
  - Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- 
Freshman Year - Fall
  - ENC 1101  Composition I  3 hrs
  - GEP-Math  3 hrs
  - GEP  3 hrs
  - Foreign Language  4 hrs

Select 1:
- SPC 1606  Fundamentals of Oral Communication or  3 hrs
- COM 1000  Introduction to Communication  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- Foreign Language  4 hrs
- 
Sophomore Year - Fall
  - Core-Computer Science  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - Elective (Consider a minor)  3 hrs

Select 2:
- Internal Restricted Elective  3 hrs
- External Restricted Elective  3 hrs
- Elective (Consider a minor)  3 hrs
- Elective (Consider a minor)  3 hrs

Sophomore Year - Spring
  - Internal Restricted Elective  3 hrs
  - External Restricted Elective  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs

Junior Year - Fall
  - COM 3801  Communication Theories of Interpersonal Conflict  3 hrs
- 
Junior Year - Summer
  - Core-Computer Science  3 hrs
- 
Senior Year - Fall
  - COM 4804  Conflict & Communication Context  3 hrs
  - Internal Restricted Elective  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs

Junior Year - Spring
  - COM 3802  Communication & Conflict  3 hrs
  - Internal Restricted Elective  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs

Senior Year - Summer
  - Core-Communication Internship  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs

Senior Year - Spring
  - Core-Computer Science  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  3 hrs
  - Elective (Consider a minor)  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas. ucf. edu/alc/academic_learning_compacts. htm

Communication Sciences and Disorders
(B.A. / B.S.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.co hpa. ucf. edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Admission Requirements
  - None
  - 
Degree Requirements
  - Students who change degree programs and select this major must adopt the most current catalog.
  - Students should complete the General Education Program before transferring within the Florida College System or State University System.
  - Students should consult with a departmental advisor.
The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.

Students must earn at least a "C-" (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.

Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

Select 1: Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
   Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
   Required PHY, PSC, or CHM course listed in GEP E.1 3 hrs
   Required BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics GEP
   BSC 1005 Biological Principles GEP
   PSY 2012 General Psychology GEP
   PHY, PSC or CHM GEP

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (56 hrs)
   Core Requirements 53 hrs
   DEP 2004 Developmental Psychology 3 hrs
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   SPA 3011 Speech Science I: Production 3 hrs
   SPA 3011L Speech Production lab 1 hr
   SPA 3104 Neural Bases of Communication 3 hrs
   SPA 3123 Speech Science II: Perception 3 hrs
   SPA 3123L Speech Perception Lab 1 hr
   SPA 4476 Speech Disorders Across the Lifespan 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   SPA 4400 Language Disorders Across the Life Span 3 hrs
   LIN 3713 Language Science 3 hrs
   SPA 4870C Capstone Course 3 hrs
   SPA 4326 Hearing Disorders Across the Lifespan 3 hrs

Select 1: Principles of Behavior Modification or Classroom Management and Guidance of Young Children 3 hrs

Select 2: Young Children or Guidance of Young Children with Communication Disorders or Young Children With Special Needs 3 hrs

Statistics Requirement 3 hrs

Students have two options for completing this requirement:

Option 1: Required STA 2023 Statistical Methods I and GEP

Option 2: STA 2014C Principles of Statistics and GEP

5. Restricted Electives (9 hrs)
   An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

B.A./B.S. Option:
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college. ASL I, II and III can also be used to fulfill this requirement.

   Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements
   SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

   Graduation
   Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Students must achieve a minimum grade of "C-" (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.

    Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
Interested students should consult with the undergraduate program coordinator.

Related Programs
Health Services Administration
Psychology
Social Work
Early Childhood Education

Certificates
Related Minors
Exceptional Education
Early Childhood Education
Aging Studies
Health Services Administration
Human Communication
UCF Degree Programs

- Linguistics
- Psychology
- Spanish

Advising Notes
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- DEP 2004 Developmental Psychology 3 hrs

Select 1:
- 3 hrs
- PHY, PSC, or CHM Course 3 hrs
- GEP Social 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Fall
- GEP Communication Disorders in Literature and Media 3 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Science Lab 1 hr
- Foreign Language I (B.A.) or Health Sciences (B.S.) elective 3 hrs

Select 1:
- 3 hrs
- EAB 3703 Principles of Behavior Modification or 4 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEX 3450 Young Children With Special Needs or 3 hrs
- EEX 4200 Introduction to Behavior Management or 3 hrs
- EEC 4804 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
- EXR 4070 Teaching Exceptional Students 3 hrs

Select 1:
- 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

Sophomore Year - Summer
- 3 hrs
- Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL.
- Foreign Language II (B.A.) or Health Sciences (B.S.) elective 3 hrs
- Free Elective 3 hrs

Junior Year - Fall
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- LIN 3713 Language Science 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs

Senior Year - Fall
- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- Restricted Elective 3 hrs

Select 1:
- 3 hrs
- STA 4103 Statistical Methods II or 3 hrs
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

Senior Year - Spring
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4800C Capstone Course 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $10 per term
- Full-Time Student: $20 per term

Computer Engineering (B.S.Cp.E.)
College of Engineering and Computer Science
Department of Electrical and Computer Engineering,
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@ece.ucf.edu
Dr. Parveen Wahid
Charlese Hilton-Brown
Diane D'Avanzo
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not
not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations or
- Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or
- Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- CHS 1440 Principles of Chemistry or
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Preferred

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

ECS 1005C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Engineering Core
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Courses Required for the Major
- EEL 3123C Networks and Systems 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4780 Computer Architecture 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- COP 4600 Operating Systems 3 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

1 A "C" (2.0) or better is required in this course.

5. Restricted Electives (9 hrs)

- Preferred EEL 3801C Computer Organization 3 hrs

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

8. Electives

9. Additional Requirements

- Computer engineering students must earn at least 32 hours in residence at UCF.
- 24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
UCF Degree Programs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs
- Select 1 3 hrs
  - SPC 1603C Fundamentals of Technical Presentations 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Fall
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Sophomore Year - Spring
- EEL 3004C Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP-Science Foundation 3 hrs

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science II 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs
- Select 1: 3 hrs
  - EGN 3321 Engineering Analysis-Dynamics or 3 hrs
  - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C Computer Science II 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4768 Computer Architecture 3 hrs
- GEP- Social Foundation 3 hrs

Senior Year - Fall
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/al/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $42 per term
- Full-Time Student: $84 per term

UNIVERSITY OF CENTRAL FLORIDA
Computer Science (B.S.)
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Email: undergraduate@cs.ucf.edu
Dr. Ali Orooji
Jenny Shen
Julie Faris
Phone: 407-823-2341

Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Admission Requirements
- None

Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Computer Science Division at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course 2-5
- Students in the Computer Science major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Science who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Science major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (39 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Prefer BSC 2010C Biology I 4 hrs
- Prefer PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- COP 3223C Introduction to Programming with C 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312C Calculus with Analytic Geometry II GEP 4 hrs
- PHY 2048C General Physics Using Calculus I GEP 4 hrs
- PHY 2049C General Physics Using Calculus II GEP 4 hrs

Select 2: 6 hrs
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.
- BSC 2010C Biology I or GEP 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- PHY 3101C General Physics Using Calculus III or 3 hrs

Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing 3 hrs

3. Core Requirements: Basic Level (24 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- STA 2023 Statistical Methods I GEP 4 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs
- CDA 3103C Computer Logic and Organization 3 hrs
- COP 3100C Introduction to Discrete Structures 3 hrs
- CIS 3360 Security in Computing 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 3980 CS Foundation Exam 0 hrs

Select 1: 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
- A “C” (2.0) or better is required in all courses in this area.
- Students must maintain at least a 2.5 GPA in the following courses.
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- EEL 4768 Computer Architecture 3 hrs
- COT 4210 Discrete Structures II 3 hrs
- COP 4020 Programming Languages I 3 hrs
- COP 4600 Operating Systems 3 hrs
- COP 4934 Senior Design I 3 hrs
- COP 4935 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
- A “C” (2.0) or better is required in all courses in this area.

4000-5000 level Computer Science courses 9 hrs
- At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

Advanced mathematics or statistics 6 hrs
- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
- MAC 2313C Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs
UCF Degree Programs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

   Graduation
   ■ Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

8. Electives (4 hrs)
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ None.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Information Technology

Certificates
■ None

Related Minors
■ Information Technology
■ Intelligent Robotic Systems (IRS) - Interdisciplinary
■ Interdisciplinary Informatics Technology

Advising Notes
■ The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
COP 3223C Introduction to Programming with C 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs

Sophomore Year - Fall 13 hrs
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
GEP 3 hrs

Sophomore Year - Spring 13 hrs
COP 4331C Processes for Object-Oriented Software Development 3 hrs
PHY 2049C General Physics Using Calculus II 4 hrs
CIS 3360 Security in Computing 3 hrs

Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
ENC 3250 Professional Writing 3 hrs

Sophomore Year - Summer 6 hrs
STA 2023 Statistical Methods I 3 hrs
GEP 3 hrs

Junior Year - Fall 13 hrs
EEL 4768 Computer Architecture 3 hrs
COP 4220 Programming Languages I 3 hrs
BSC 2010C Biology I 4 hrs
GEP 3 hrs

Junior Year - Spring 13 hrs
COP 4600 Operating Systems 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
Math/Stat Restricted Elective 3 hrs
CS Restricted Elective 3 hrs

Junior Year - Summer 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall 16 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Free Elective 4 hrs
COP 4934 Senior Design I 3 hrs
Multicultural Elective 3 hrs

Senior Year - Spring 12 hrs
CS Restricted Elective 3 hrs
GEP 3 hrs
Math/Stat Restricted Elective 3 hrs
COP 4935 Senior Design II 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $28 per term
■ Full-Time Student: $57 per term

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction
Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oula@ucf.edu
Phone: 407-823-2841

Admission Requirements
■ Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
■ Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
### UCF Degree Programs

#### Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Construction Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Construction Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. **UCF General Education Program (GEP)** (38 hrs)
   - The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

#### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

- **Preferred course**
  - CHS 1440 Principles of Chemistry 4 hrs
- or - First alternative: Select both of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- or - Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

#### 3. Core Requirements: Basic Level (2 hrs)
- **EGS 1008C** Introduction to the Engineering Profession 1 hr
- **EGN 1007C** Engineering Concepts and Methods 1 hr

#### 4. Core Requirements: Advanced Level (55 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331C</td>
<td>Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>Construction Estimating and Scheduling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4813</td>
<td>Mechanical and Electrical Systems for Buildings</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CCE 4402</td>
<td>Construction Equipment and Productivity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4004</td>
<td>Construction Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGN 3501C</td>
<td>Civil Engineering Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 3700C</td>
<td>Civil Engineering Measurements</td>
<td>2 hrs</td>
</tr>
<tr>
<td>AC 2071</td>
<td>Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 4100C</td>
<td>Structural Analysis I and Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGN 3405</td>
<td>Applied Numerical Methods for Civil Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3hrs</td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better is required in this course.

#### 5. Restricted Electives (8 hrs)
- Technical electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Capstone Requirements (6 hrs)
- **Required Senior Design Courses**
  - 1 CCE 4810C Construction Design Project 3 hrs
  - 1 CGE 4808C CECE Capstone Design 3 hrs
  
  1 A “C” (2.0) or better is required in this course.

#### 7. Foreign Language Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td>Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
</tr>
</tbody>
</table>

#### Graduation

- None

#### Electives

- None
9. Additional Requirements
- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Civil Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
- Business

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Spring
- ENC 1102 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Freshman Year - Fall
- ENC 1102 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs
- ENV 3001 Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3331C Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- CGN 3405 Applied Numerical Methods for Civil Engineering 3 hrs

Sophomore Year - Summer
- CCE 4004 Introduction to the Construction Industry 3 hrs
- GEP 3 hrs

Junior Year - Fall
- CES 4100C Structural Analysis I and Lab 4 hrs
- GEP 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CGE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
- CGN 3700C Civil Engineering Measurements 2 hrs

Junior Year - Spring
- CCE 4004 Construction Methods 3 hrs
- CCE 4402 Construction Equipment and Productivity 3 hrs
- CCE 4810C Construction Design Project 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- GEP 3 hrs

Senior Year - Fall
- CGN 3501C Civil Engineering Materials 3 hrs
- Approved Technical Elective 2 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CWR 4202C Hydraulics 3 hrs
- GEP 3 hrs

Senior Year - Spring
- CGN 4808C CECE Capstone Design 3 hrs
- GEP 3 hrs
- Technical Electives 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $43 per term
- Full-Time Student: $65 per term

Criminal Justice (B.A. / B.S.)

College of Health and Public Affairs

Department of Criminal Justice, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University system.
The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.

Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.

Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (21 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   CCJ 3024 Criminal Justice System 3 hrs
   CCJ 3014 Crime in America 3 hrs
   CJL 3510 Prosecution and Adjudication 3 hrs
   CJC 3010 Corrections and Penology 3 hrs
   CJE 4014 Police and Society 3 hrs
   CCJ 4701 Research Methods in Criminal Justice 3 hrs
   CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (39 hrs)
   27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.

   12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
Interested students should consult with a faculty advisor.

Related Programs
Legal Studies

Certificates
Crime Analysis and Crime Mapping
Criminal Profiling
Security Management
Crime Scene Investigation
Victim Advocacy

Related Minors
Legal Studies
Public Administration
Psychology

Advising Notes
None

Transfer Notes
“D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
PAF 2102 Public Affairs Careers 2 hrs
GEP Math 3 hrs
GEP Social 3 hrs
GEP Historical 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP Science 3 hrs
GEP Cultural 3 hrs
GEP Social 3 hrs

Sophomore Year - Fall 15 hrs
GEP Communication 3 hrs
CCJ 3014 Crime in America 3 hrs
GEP Historical 3 hrs
GEP Science 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
CCJ 3024 Criminal Justice System 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs

Junior Year - Fall 15 hrs
CCJ 3010 Corrections and Penology 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJC 4701 Research Methods in Criminal Justice 3 hrs
CJ Elective 3 hrs

Junior Year - Spring 15 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Criminal Justice Scholar’s Track (B.A. / B.S.)

College of Health and Public Affairs 
Department of Criminal Justice, 
Health and Public Affairs 1, Room: Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu

Cory Watkins, UG Program Coordinator
Phone: 407-823-2603

Admission Requirements

- An application is required. Minimum overall GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (33 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

CCJ 3014 Crime in America 3 hrs
CCJ 3024 Criminal Justice System 3 hrs
CCJ 3010 Corrections and Penology 3 hrs
CJE 3510 Prosecution and Adjudication 3 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Scholar’s Seminar 12 hrs

- Students accepted into CJ Scholar’s Track will take CCJ 4934 four times with different topics for a total of 12 hours.
CCJ 4934 Emergent Criminal Justice Issues 3 hrs

5. Restricted Electives (27 hrs)

- 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
- 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing a B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives

- None

9. Additional Requirements

- Students whose overall GPA falls below 3.0 out of a possible 4.0 will not be permitted to continue in the track and will be transferred to the Criminal Justice BA/BS degree.

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students should consult with a faculty advisor.

Related Programs

- Legal Studies
- Public Administration

Certificates

- Crime Analysis and Crime Mapping
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy
Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- Students are not accepted into Internship Program with grades less than a "C" in core courses.

Transfer Notes
- "D" (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
PAF 2102 Introduction to Media 2 hrs
GEP Math 3 hrs
GEP Social 3 hrs
GEP Historical 3 hrs

Freshman Year - Spring 15 hrs
CJE 3001 Optional Replacement Course for PAF 2102
ENC 1102 Composition II 3 hrs
GEP Communication 3 hrs
GEP Science 3 hrs
GEP Cultural 3 hrs
Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
GEP Communication 3 hrs
CCJ 3014 Crime in America 3 hrs
GEP Historical 3 hrs
GEP Science 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
CCJ 3024 Criminal Justice System 3 hrs
CJL 3510 Prosecution and Penology 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
Admissions to scholars track requires 3.0 overall GPA
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 3010 Corrections and Penology 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Supporting Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Supporting Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJ Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
CJ Elective or CCJ Internship 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Digital Media (B.A.)
- College of Arts and Humanities
- School of Visual Arts and Design,
  Visual Arts Building, Room: 117
  http://svad.cah.ucf.edu/
  Email: svadadvising@ucf.edu
  Phone: 407-823-2676

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities.

It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations - Game Design and Web Design - lead to a Bachelor of Arts degree.

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 24 hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (37 hrs)
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)

2. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student achieving at least a "B" (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs

Digital Media Core: Advanced
- DIG 3030 Game Design I 3 hrs
- DIG 3040 Game Design II 3 hrs
- DIG 3050 Game Design III 3 hrs
- DIG 3060 Game Design IV 3 hrs
- DIG 4000 Game Design V 3 hrs

Digital Media Core: Specializations
- Digital Media Core: Game Design
- Digital Media Core: Web Design

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 24 hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (37 hrs)
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)

2. Core Requirements: Basic Level (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student achieving at least a "B" (3.0) in DIG 2000.

Digital Media Core: Basic
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs

Digital Media Core: Advanced
- DIG 3030 Game Design I 3 hrs
- DIG 3040 Game Design II 3 hrs
- DIG 3050 Game Design III 3 hrs
- DIG 3060 Game Design IV 3 hrs
- DIG 4000 Game Design V 3 hrs

Digital Media Core: Specializations
- Digital Media Core: Game Design
- Digital Media Core: Web Design

Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.
4. Core Requirements: Advanced Level (12 hrs)

Digital Media Core: Advanced

DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design 42 hrs

■ Admission to all courses after DIG 4713 is dependent on the student achieving at least a “B” (3.0) in DIG 4713.

Game Design: Basic Concentration 24 hrs

COP 3223C Introduction to Programming with C and 3 hrs
COP 3330 Object Oriented Programming and 3 hrs
DIG 4630C Media Business Practices and 3 hrs
DIG 4713 Game Design and 3 hrs
DIG 4715C Game Production and 3 hrs
DIG 4720C Casual Game Production and 3 hrs
FIL 3720C Introduction to Animation and 3 hrs
GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives 18 hrs

■ Complete 18 hours of credits from the following areas:
■ NOTE: DIG 4725C Must be taken at least two times. It is repeatable for credit.

12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school.
and DIG 4725C Game Design Workshop 6 hrs

Web Design 42 hrs

Web Design: Basic Concentration 24 hrs

DIG 3134 Media Software Design and 3 hrs
DIG 3563 Information Management and 3 hrs
Entrepreneurship and
DIG 3716C Internet Interaction and 3 hrs
DIG 3811 User-Centered Design and 3 hrs
DIG 4503 Rapid Application Web Development and 3 hrs
DIG 4530C Media for e-Commerce and 3 hrs
DIG 4630C Media Business Practices and 3 hrs
GRA 3803C Intermediate Computer Graphic Design 3 hrs

Game Design: Restricted Electives 18 hrs

■ Complete 18 hours of credits from the following areas:
■ Note: DIG 4104C must be taken at least two times. It is repeatable for credit.

12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.
and DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives

■ None
6. Capstone Requirements

■ None
7. Foreign Language Requirements

Admissions

■ Met by graduation requirement.

Graduation

■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

■ Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

9. Additional Requirements

■ None
10. Required Minors

■ None
11. Departmental Exit Requirements

■ None
12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

■ 120

Honors In Major

■ None

Related Programs

■ Art
■ Computer Science
■ English - Creative Writing
■ English - Literature
■ English - Technical Communication
■ Film - Cinema Studies Track
■ Music

Certificates

■ None

Related Minors

■ Art - Studio
■ Information Technology
■ Computer Science
■ English - Technical Communication
■ Film - Cinema Studies
■ Music

Advising Notes

■ http://svad.cah.ucf.edu/students
■ svadadvising@ucf.edu

Transfer Notes

■ Grades less than ‘C’ (2.0) are not accepted.
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

■ None

Plan of Study

■ None

Game Design

Freshman Year - Fall 15 hrs

ARR 2051 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
GEP Cultural & Historical Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Spring 16 hrs

ARR 2051 History of Western Art II 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
DIG 2000 Introduction to Digital Media 3 hrs
ENC 1102 Composition II 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Summer 6 hrs

GEC Science Foundation 3 hrs
GEP Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs

ART 2201C Design Fundamentals-Two Dimensional 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs

ART 2300C Drawing Fundamentals I 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Junior Year - Fall 12 hrs

COE 3223C Introduction to Programming with C 3 hrs
DIG 4630C Media Business Practices 3 hrs
GRA 4713 Game Design 3 hrs
GRA 2151C Illustration 3 hrs
Junior Year - Spring 12 hrs
COP 3330 Object Oriented Programming 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4720C Casual Game Production 3 hrs
FIL 3720C Introduction to Animation 3 hrs

Senior Year - Fall 16 hrs
DIG 4725C Game Design Workshop 3 hrs
Foreign Language Elementary Level I 4 hrs
Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
DIG 4725C Game Design Workshop 3 hrs
Foreign Language Elementary Level II 4 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Web Design
Freshman Year - Fall 15 hrs
ARN 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
GEP Cultural & Historical Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Spring 16 hrs
ARN 2051 History of Western Art II 3 hrs
COP 2500C Concepts in Computer Science 4 hrs
DIG 2000 Introduction to Digital Media 3 hrs
ENC 1102 Composition II 3 hrs
GEP Social Foundation 3 hrs
GEP Social Foundation 3 hrs

Freshman Year - Summer 6 hrs
GEP Science Foundation 3 hrs
GEP Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
GEP Communication Foundation 3 hrs

Sophomore Year - Spring 15 hrs
ART 2300C Drawing Fundamentals I 3 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480 Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Junior Year - Fall 13 hrs
DIG 3563 Information Management and Entrepreneurship 3 hrs
DIG 4630C Media Business Practices 3 hrs
Foreign Language Elementary Level I 4 hrs
Restricted Elective 3 hrs

Junior Year - Spring 13 hrs
DIG 3134 Media Software Design 3 hrs
DIG 3716C Internet Interaction 3 hrs
DIG 3811 User-Centered Design 3 hrs
Foreign Language Elementary Level II 4 hrs

Senior Year - Fall 15 hrs
DIG 4104C Web Design Workshop 3 hrs
DIG 4530C Media for e-Commerce 3 hrs
GRA 3803C Intermediate Computer Graphic Design 3 hrs
Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
DIG 4104C Web Design Workshop 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $16.50 per term
- Full-Time Student: $33 per term

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete all Education Common Program Prerequisite courses with a minimum grade of “C” (2.0) or better.
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing scores on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major.
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT are strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
UCF Degree Programs

- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP)  (36 hrs)
   - Students are advised to take the preferred courses.
   
   A: Communication Foundations  (9 hrs)
   Required: ENC 1101 Composition I  3 hrs
   Required: ENC 1102 Composition II  3 hrs
   Prefer: SPC 1608 Fundamentals of Oral Communication  3 hrs

   B: Cultural & Historical Foundations  (9 hrs)
   General Education Program elective from section B2:
   - Prefer: MUL 2010 Enjoyment of Music or  3 hrs
   - Prefer: PHI 2010 Introduction to Philosophy or  3 hrs
   - Prefer: THE 2000 Theatre Survey  3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1  3 hrs

   C: Mathematical Foundations  (6 hrs)
   Select 1:  3 hrs
   - Prefer: STA 1063C Basic Statistics Using Microsoft Excel or  3 hrs
   - Prefer: STA 2014C Principles of Statistics  3 hrs

   Select 1:  3 hrs
   - Suggested: MGF 1106 Finite Mathematics or  3 hrs
   - Suggested: MGF 1107 Explorations in Mathematics  3 hrs

   D: Social Foundations  (6 hrs)
   Select 1:  3 hrs
   - Prefer: POS 2041 American National Government  3 hrs
   - Prefer: PSC 2006 General Psychology  3 hrs

   E: Science Foundations  (6 hrs)
   Select 1:  3 hrs
   - Prefer: ANT 2511 The Human Species or  3 hrs
   - Prefer: BSC 1005 Biological Principles  3 hrs

2. Common Program Prerequisites (CPP)  (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession  3 hrs
   - EDF 2050 Introduction to Diversity for Educators  3 hrs
   - EME 2040 Introduction to Technology for Educators  3 hrs

In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  (15 hrs)

4. Core Requirements: Advanced Level  (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Internship. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.

Semester I  15 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
- EEC 3700 Social and Emotional Development of Young Children  3 hrs
- EEC 4661 Early Childhood Education Theory and Practice  3 hrs
- EEX 4751 Parent Involvement in Education  3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL  3 hrs
- EEC 4268 Curriculum Activities in Early Childhood  3 hrs

Semester II  15 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4604 Classroom Management and Guidance of Young Children  3 hrs
- EEC 4207 Assessment and Evaluation of Young Children  3 hrs
- EEX 3450 Young Children With Special Needs  3 hrs
- RED 3310 Early Reading, Writing and Language Arts  3 hrs

Summer  6 hrs
- Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Internship.
- EEC 4303 Planning Creative Activities in Early Childhood  3 hrs
- RED 3012 Basic Foundations of Reading  3 hrs

Semester III  12 hrs
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching  12 hrs

Evaluation  5 hrs
- Graduation  5 hrs
- Capstone Requirements  5 hrs
- Electives  5 hrs

7. Foreign Language Requirements
   - None

Admissions
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None
- Electives  5 hrs

UNIVERSITY OF CENTRAL FLORIDA
## 9. Additional Requirements
- None

## 10. Required Minors
- None

## 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program.
- All teacher education candidates, Life Long Learning majors and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See [http://livetext.education.ucf.edu/](http://livetext.education.ucf.edu/).
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

## 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Required Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1108</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2065</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2000</td>
<td>Theatre Survey</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 2000</td>
<td>Early Childhood Art and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUE 2211</td>
<td>Early Childhood Music and Movement</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2211</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2041C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP B1 Elective</td>
<td>Prefer course from section B1</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 2732</td>
<td>Health, Safety, and Nutrition for Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP B3 Elective</td>
<td>Prefer course from section B1</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall

- Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 2700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4264</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Summer

- Please note: Passing scores on the Professional Education Test (PEd) and the Pre-Kindergarten/Primary Education Test (PEd) are required prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 3400</td>
<td>Math Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 3044</td>
<td>Teaching Science and Technology to Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3411</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4235C</td>
<td>Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943</td>
<td>Student Teaching</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>
### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/aic/academic_learning_compacts.htm](http://www.oes.ucf.edu/aic/academic_learning_compacts.htm)

### Program Academic Learning Compacts

<table>
<thead>
<tr>
<th>University</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF</td>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>UCF</td>
<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
</tr>
<tr>
<td>UCF</td>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
</tr>
<tr>
<td>UCF</td>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
</tr>
<tr>
<td>UCF</td>
<td>PSC 1121</td>
<td>Physical Science</td>
</tr>
<tr>
<td>UCF</td>
<td>BSC 1005</td>
<td>Biological Principles</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (6 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (18 hrs)

- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- EEC 3008 Early Childhood Children's Literature 3 hrs

### 4. Core Requirements: Advanced Level (60 hrs)

- All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development.

### 5. Core Requirements: Advanced Level (60 hrs)

- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs

### Semester I (15 hrs)

- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 3214 Child Development 3 hrs
- EEC 3008 Early Childhood Children's Literature 3 hrs

### Semester II (15 hrs)

- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs

### Semester III (6 hrs)

- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs

### Semester IV (12 hrs)

- PET 4050C Motor Development and Learning 3 hrs

### Select Three Early Childhood Development (9 hrs)

### Track Electives

- Note: Students must consult with their advisor regarding approval for other elective options.

<table>
<thead>
<tr>
<th>University</th>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF</td>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
</tr>
<tr>
<td>UCF</td>
<td>EEC 4524</td>
<td>Organization and Management in Early Childhood</td>
</tr>
<tr>
<td>UCF</td>
<td>EXP 3604</td>
<td>Cognitive Psychology</td>
</tr>
<tr>
<td>UCF</td>
<td>PEO 3041</td>
<td>Games Analysis</td>
</tr>
<tr>
<td>UCF</td>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
</tr>
<tr>
<td>UCF</td>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children</td>
</tr>
<tr>
<td>UCF</td>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESL</td>
</tr>
</tbody>
</table>

### Dr. Judy Levin, 122L, Judith.Levin@ucf.edu

### Phone: 407-823-4615

### Email: ece@ucf.edu

### Department of Child, Family and Community Sciences, Education Complex

[http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)
SOW 4650  Child Abuse: Treatment and Prevention or 3 hrs
SOW 4654  Children's Services or 3 hrs
EEC 4744  Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
SOW 3104  Human Behavior and the Social Environment I or 3 hrs
EEC 4751  Parent Involvement in Education 3 hrs
Semester V 12 hrs
EEC 4940  Practicum: Early Childhood Development 12 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum overall 2.75 GPA in all courses within the major.
■ In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program.
■ All teacher education candidates, Life Long Learning majors and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See http://livetext.education.ucf.edu/.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.

Students interested in Child Life Specialist Certification: Select SOW 3104 Human Behavior and the Social Environment I as a prerequisite course AND take EEC 4744 Child Life: Psychosocial Care of Children in Health Settings as an elective course

Transfer Notes
■ Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SYG 2010 Social Problems 3 hrs
PSC 1121 Physical Science 3 hrs
EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
Phi 2010 Introduction to Philosophy or 3 hrs
THE 2000 Theatre Survey 3 hrs

Freshman Year - Summer 6 hrs
ARE 2000 Early Childhood Art and Creativity 3 hrs
MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall 15 hrs
■ Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
SPO 1608 Fundamentals of Oral Communication 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
GEP B1 elective 3 hrs
Restricted Elective with Advisor approval 3 hrs

Sophomore Year - Spring 12 hrs
DEP 2004 Developmental Psychology 3 hrs
POS 2041 American National Government 3 hrs
GEP B3 Elective (Prefer course from section B1) 3 hrs

Select 1: 3 hrs
Restricted Elective with Advisor Approval or 3 hrs
SOW 3104 Human Behavior and the Social Environment I 3 hrs

Junior Year - Fall 15 hrs
EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
EEC 3613 Observation and Assessment of Young Children 3 hrs
EEC 3214 Child Development 3 hrs
EEC 3008 Early Childhood Children’s Literature 3 hrs

Junior Year - Spring 15 hrs
EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
EEC 4402 Cultural and Family Systems 3 hrs
EEC 3450 Young Children With Special Needs 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
EEC 4414 Parent-Child Relations 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

## UCF Degree Programs

### Early Childhood Development and Education Track

**3: Early Childhood Careers (B.S.)**

**College of Education and Human Performance**

**Department of Child, Family and Community Sciences, Education Complex, Room: 209**

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

### Admission Requirements

- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

### Degree Requirements

- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### Course Requirements

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303 Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4528 Infant/Toddler Care and Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4050C Motor Development and Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select Three Early Childhood Development Track Electives</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4940 Practicum: Early Childhood Development</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### Education Complex, Room: 209

Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

| TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification. |

### Admission Requirements

- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

### Degree Requirements

- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.</td>
<td></td>
</tr>
<tr>
<td>The 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.</td>
<td></td>
</tr>
</tbody>
</table>

#### A: Communication Foundations

- Required ENC 1101 Composition I | 3 hrs |
- Required ENC 1102 Composition II | 3 hrs |
- Prefer SPC 1608 Fundamentals of Oral Communication | 3 hrs |

#### B: Cultural & Historical Foundations

- General Education Program elective from section B2 | 3 hrs |

#### C: Mathematical Foundations

- Select 1: | 3 hrs |
  - Prefer MGF 1106 Finite Mathematics or | 3 hrs |
  - Prefer MGF 1107 Explorations in Mathematics | 3 hrs |

- Select 2: | 3 hrs |
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or | 3 hrs |
  - Prefer STA 2014C Principles of Statistics | 3 hrs |

#### D: Social Foundations

- Prefer PSY 2012 General Psychology | 3 hrs |
- Prefer POS 2041 American National Government | 3 hrs |

#### E: Science Foundations

- Prefer PSC 1121 Physical Science | 3 hrs |
- Select 1: | 3 hrs |
  - Prefer ANT 2511 The Human Species or | 3 hrs |
  - Prefer BSC 1005 Biological Principles | 3 hrs |

### 2. Common Program Prerequisites (CPP)

- None

### 3. Core Requirements: Basic Level

- EDF 2085 Introduction to Diversity for Educators | 3 hrs |
- MUE 2211 Early Childhood Music and Movement | 3 hrs |
- ARE 2000 Early Childhood Art and Creativity | 3 hrs |
- SYG 2010 Social Problems | 3 hrs |
- EEC 2732 Health, Safety, and Nutrition for Young Children | 3 hrs |

- Select 1: | 3 hrs |
  - EDF 2130 Child and Adolescent Development for Educators or | 3 hrs |
  - DEP 2004 Developmental Psychology | 3 hrs |

### 4. Core Requirements: Advanced Level

- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) in each upper level major course in order to pass the course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

- EEC 3700 Social and Emotional Development of Young Children | 3 hrs |
- EEC 4661 Early Childhood Education Theory and Practice | 3 hrs |
- RED 3310 Early Reading, Writing and Language Arts | 3 hrs |
- PET 4050C Motor Development and Learning | 3 hrs |
- EEC 3008 Early Childhood Children’s Literature | 3 hrs |
- EEX 3450 Young Children With Special Needs | 3 hrs |
- EEC 3613 Observation and Assessment of Young Children | 3 hrs |
- EEC 4402 Cultural and Family Systems | 3 hrs |
5. Restricted Electives (9 hrs)
   - Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.
   - 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required units of foreign language in high school.)
   - Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
    - Achieve a minimum GPA of 2.75 for all courses within the major.
    - All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or higher in each upper level major course in order to meet program requirements.
    - Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. The State University System requires that students complete two years of the same foreign language/American Sign Language in high school, or two semesters (8-10 credit hours) of college level foreign language/American Sign Language, or equivalent proficiency exam. Students admitted without meeting this requirement must meet it prior to graduation.

Transfer Notes
   - Courses taken at Florida College System institutions may substitute for select courses in Core Requirements: Basic Level with the permission of the department.
   - Restricted Electives: Electives must be selected with the approval of program faculty. Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.

Acceptable Substitutes for Transfer Courses
   - EEC 1000 substitutes for EDF 2130 or DEP 2004C
   - EEC 3008 substitutes for EDF 2130 or DEP 2004C
   - EEC 3450 substitutes for EDF 2130 or DEP 2004C
   - EEC 3513 substitutes for EDF 2130 or DEP 2004C

Plan of Study (60 hrs)
   - Assuming general education and admission requirements for Track 3: Early Childhood Careers are complete
   - Follow the recommended Plan of Study

Junior Year - Fall
   - EEC 3700 Social and Emotional Development of Young Children 3 hrs
   - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
   - RED 3310 Early Reading, Writing and Language Arts 3 hrs
   - PET 4050C Motor Development and Learning 3 hrs
   - Restricted Elective with Advisor approval 3 hrs

Junior Year - Spring
   - EEC 3008 Early Childhood Children’s Literature 3 hrs
   - EEC 3450 Young Children With Special Needs 3 hrs
   - EEC 3613 Observation and Assessment of Young Children 3 hrs
   - EEC 4402 Cultural and Family Systems 3 hrs
   - Restricted Elective with Advisor approval 3 hrs

Junior Year - Summer
   - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall
   - EEC 4414 Parent-Child Relations 3 hrs
   - EEC 4211 Science and Math Learning for Young Children 3 hrs
   - EEC 4260 Early Childhood Program Evaluation 3 hrs
   - EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs

Senior Year - Spring
   -Restricted Elective (3/4XXX level with Advisor approval) 3 hrs
   - EEC 4942 Practicum: Early Childhood Careers 9 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm
Economics (B.S.)

College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics

Dr. David Scrogin, BA 302U, David.Scrogin@ucf.edu,
407-823-4129
Dr. Nora Underwood, BA 302N, 407-823-1403
Phone: 407-823-3266

The Bachelor of Science in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, Economics, law and public administration. Successful completion of this program leads to the Bachelor of Science degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program

Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
   Select 1: 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)
   Required STA 2023 Statistical Methods I 3 hrs

   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I 3 hrs
   Required MAC 2311 Calculus I 3 hrs

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics 3 hrs
   or
   Required ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology or 3 hrs
   Suggested PSY 2012 General Psychology or 3 hrs
   Suggested SYG 2000 Introduction to Sociology 3 hrs

   E: Science Foundations (6 hrs)
   Required MAC 2311 Calculus I 3 hrs

   2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ECO 2013 Principles of Macroeconomics GEP
   - ECO 2023 Principles of Microeconomics 3 hrs

   3. Core Requirements: Basic Level
   - None

   4. Core Requirements: Advanced Level (12 hrs)
   - ECO 3101 Intermediate Microeconomics 3 hrs
   - ECO 3203 Intermediate Microeconomics 3 hrs

   Select one of the following sequences of courses:
   - ECO 3401 Quantitative Business Tools I 3 hrs
   or
   - MAC 2233 Concepts of Calculus and 3 hrs
   - STA 2023 Statistical Methods I 3 hrs
   Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

Select one of the following sequences of courses:
   - ECO 3411 Quantitative Business Tools II 3 hrs
   or
   - STA 4163 Statistical Methods II 3 hrs
   or
   - STA 4321 Statistical Theory I 3 hrs

5. Restricted Electives (27 hrs)
- All B.S. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following:
  - ECO 3223 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECO 4934 Topics in Econometrics 3 hrs
  - ECP 3004 Seminar on Current Economic Topics 3 hrs
  - ECP 3203 Labor Economics 3 hrs
  - ECP 4303 Environmental and Natural Resource Economics 3 hrs
  - ECP 4403 Industrial Organization 3 hrs
  - ECP 4531 Development Economics 3 hrs
  - ECP 4530 Health Economics 3 hrs
  - ECO 4400 Game Theory and Economics 3 hrs

6. Capstone Requirements (1 hr)
- ECO 4902 Capstone in Economics 1 hr

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics, Business

Certificates
- None
### Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Cultural Foundation (GEP)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Historical Foundation I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Language I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Historical Foundation II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ECO 3411 Quantitative Business Tools II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 4902 Capstone in Economics</td>
<td>1 hr</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students majoring in Economics must earn a grade of "C" (2.0) or better in the following course and each course applied towards the major:

- ECO 3411 Quantitative Business Tools II 3 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

- Select 1: 3 hrs
  - D: Social Foundations (6 hrs)
  - C: Mathematical Foundations (6 hrs)
  - B: Cultural & Historical Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

C: Mathematical Foundations (6 hrs)

- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)

- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

- Select 1: 3 hrs
  - Suggested ANT 2000 General Anthropology or 3 hrs
  - Suggested PSY 2012 General Psychology or 3 hrs
  - Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

- 2. Common Program Prerequisites (CPP) (18 hrs)
  - Must be completed with a "C" (2.0) or better.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - CGS 2100C Computer Fundamentals for Business 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or
  - 1 MAC 2233 Concepts of Calculus and 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

- 1 or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (34 hrs)

Primary Core 15 hrs

- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core 13 hrs

- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Major Courses 6 hrs

- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (21 hrs)

- All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
  - ECO 3223 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs

Business Elective 3 hrs

- Choose any upper level business course.

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 4933 Microeconomics 3 hrs
- ECO 4934 Macroeconomics 3 hrs
- ECO 4934 Game Theory and Economics 3 hrs

6. Capstone Requirements (4 hrs)

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
  - ECO 4902 Capstone in Economics 1 hr
  - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions

- Students majoring in Economics must complete one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- A minimum major GPA of 2.0
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors in Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None
## UCF Degree Programs

### Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- General electives as required to earn 120 credit hours.

#### Freshman Year - Fall
- **15 hrs**
  - ENC 1101  Composition I  3 hrs
  - MAC 1105C  College Algebra  3 hrs
  - ECO 2013  Principles of Macroeconomics  3 hrs
  - Cultural Foundation I  3 hrs
  - Elective  3 hrs

#### Freshman Year - Spring
- **15 hrs**
  - ENC 1102  Composition II  3 hrs
  - ECO 2023  Principles of Microeconomics  3 hrs
  - Social Foundation  3 hrs
  - Elective  3 hrs
  - Elective  3 hrs

#### Sophomore Year - Fall
- **15 hrs**
  - ACG 2021  Principles of Financial Accounting  3 hrs
  - SPC 1608  Fundamentals of Oral Communication  3 hrs
  - History  3 hrs
  - Historical Foundation I  3 hrs
  - Elective  3 hrs

#### Sophomore Year - Spring
- **15 hrs**
  - ACG 2071  Principles of Managerial Accounting  3 hrs
  - ECO 3401  Quantitative Business Tools I  3 hrs
  - CGS 2100C  Computer Fundamentals for Business  3 hrs
  - History  3 hrs
  - Science  3 hrs

#### Junior Year - Fall
- **16 hrs**
  - ACG 3173  Accounting for Decision-Makers  3 hrs
  - ECO 3411  Quantitative Business Tools II  3 hrs
  - MAN 3025  Management of Organizations  3 hrs
  - MAR 3023  Marketing  3 hrs
  - FIN 3403  Business Finance  3 hrs
  - GEB 3003  Career Research & Planning  1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oees.ucf.edu/alc/academic_learning_compacts.htm](http://www.oees.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student: $15 per term**
- **Full-Time Student: $30 per term**

### Electrical Engineering (B.S.E.E.)

#### College of Engineering and Computer Science

#### Department of Electrical and Computer Engineering, Harris Corp. Engineering Center, Room: 346

#### Email: undergraduate@ece.ucf.edu

Dr. Parveen Wahid
Charlese Hilton-Brown
Phone: 407-823-3327

#### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

#### Degree Requirements
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation...
has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

Prefer SPC 1603C Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs

Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2046C General Physics Using Calculus I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHY 2048C General Physics Using Calculus I GEP
PHY 2049C General Physics Using Calculus II 4 hrs
MAP 2302 Ordinary Differential Equations 3 hrs

Select 1: 4 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 1440 Principles of Chemistry or CHM 2045C Chemistry Fundamentals I</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Preferred

3. Core Requirements: Basic Level (2 hrs)

The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Courses Required for the Engineering Core 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>PHY 3011 General Physics Using Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics or EGN 3338 Thermo-Fluids-Heat Transfer</td>
<td>3</td>
</tr>
</tbody>
</table>

Courses Required for the Major 44 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004C Electrical Networks</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems</td>
<td>4</td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I</td>
<td>3</td>
</tr>
<tr>
<td>EEE 3307C Electronics I 4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3342C Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields</td>
<td>3</td>
</tr>
<tr>
<td>EEL 352C Analog and Digital Communication 4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (10 hrs)

Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs

Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4914 Senior Design I</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4915L Senior Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

Electrical engineering students must earn at least 32 hours in residence at UCF.

24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.

10. Required Minors

None

11. Departmental Exit Requirements

CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

128

Honors In Major

None
## UCF Degree Programs

### Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

### Certificates
- None

### Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

### Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

### Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- EGS 1006C Introduction to the Engineering Profession 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs
- Select 1: 3 hrs
  - SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Spring
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2311C Calculus with Analytic Geometry II 4 hrs
- ENC 1101 Composition I 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

#### Sophomore Year - Fall
- ENC 1102 Composition II 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

#### Sophomore Year - Spring
- PHY 3101 General Physics Using Calculus III 3 hrs
- EEL 3004C Electrical Networks 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EEE 3342C Digital Systems 3 hrs
- GEP- Cultural Foundation 3 hrs

#### Sophomore Year - Summer
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

#### Junior Year - Fall
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Science Foundation 3 hrs

#### Junior Year - Spring
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

#### Senior Year - Fall
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

#### Senior Year - Spring
- EEL 4914 Senior Design I 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

## Elementary Education (B.S.)

### School of Teaching, Learning, and Leadership, Education Complex, Room: 209

http://education.ucf.edu/elemed/

Dr. Michele Gill, michele.gill@ucf.edu, 407-823-1771

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that do not require certification. The Lifelong Learning (LLL) track is appropriate for students seeking opportunities for employment outside formal K-6 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

### Education Track
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

### Lifelong Learning Track
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of "C-" (1.75) or better.
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test (GKT).
UCF Degree Programs

Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- General Education Program course from section B1 3 hrs
- chosen meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1. 3 hrs

Select 1:

- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 1010 Introduction to Philosophy or 3 hrs
- Prefer MUL 1010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1:

- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1:

- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2044C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2010 General Psychology 3 hrs

E: Science Foundations (6 hrs)

- Prefer PSC 1121 Physical Science 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

1. Lifelong Learning Track requires 63 hours

- Students in Schools may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 1121L)

A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

Lifelong Learning Track (5 hrs)

- EDG 2949 Experiential Learning in Education 2 hrs
- MHS 2330 Career Planning 3 hrs

4. Core Requirements: Advanced Level (60 hrs)

- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

Semester I 15 hrs

- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools 1 Required prior to Internship I

Semester II 15 hrs

- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- Students in Schools 1 Required prior to Internship I

Summer 6 hrs

- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Education Track: Semester III (Internship I 12 hrs Block)

- Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinalexprepPrerequisitesforInternshipI: EDF 4410, RED 3012, TSL 4080, MAE 2801
RED 4942 Practicum for Assessment and Instruction 3 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
1 EDE 3942 Internship I 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

1 RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Education Track: Semester IV (Internship II) 12 hrs
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Elementary Education K-6)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066. EDE 4943 Internship II (Elementary) is a requirement.

Lifelong Learning Track Specialization 21 hrs

- Students pursuing the Lifelong Learning track (non-certification) must select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Students must have a total of 48 or more hours of upper level courses to graduate.
- Three (3) hours of Lifelong Learning Specialization coursework should be completed prior to the Sophomore year. Refer to the Plan of Study for the recommended sequence of courses.
- Eighteen (18) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.

ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
ARE 4250 Art for Exceptionalities 3 hrs
PET 2081 Wellness, Children and Schools 1 hr
ECC 4402 Cultural and Family Systems 3 hrs
ECC 4414 Parent-Child Relations 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3118 Digital Tools and Technologies: Graphic Design 3 hrs
DIG 3554 Digital Tools and Technologies: Web Design 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2300 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
EXE 2090 Exceptional Populations in School and Society 3 hrs
EXS 3504 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EEX 4601 Introduction to Behavior Management 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

Lifelong Learning Track: Semester III 12 hrs
- EDG 4949 Experiential Learning in Education 3 hrs
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
- Choose Lifelong Learning Specialization courses 6 hrs

Lifelong Learning Track: Semester IV 12 hrs
- Choose Lifelong Learning Specialization courses 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements

- Achieve a minimum overall 2.5 GPA within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. Together these assignments provide potential employers with a snapshot picture of the skills attained in your academic program. All teacher education candidates, Lifelong Learning majors, and Early Childhood Development and Education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. See http://livetext.education.ucf.edu/.

Education Track

- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None
<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>Freshman Year - Fall</th>
<th>Freshman Year - Spring</th>
<th>Junior Year - Fall</th>
<th>Junior Year - Spring</th>
<th>Junior Year - Summer</th>
<th>Senior Year - Fall</th>
<th>Education Track</th>
<th>Lifelong Learning Track</th>
<th>Lifelong Learning Track</th>
<th>Lifelong Learning Track</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan of Study</td>
<td>12 hrs</td>
<td>12 hrs</td>
<td>15 hrs</td>
<td>15 hrs</td>
<td>6 hrs</td>
<td>12 hrs</td>
<td>9 hrs</td>
<td>9 hrs</td>
<td>9 hrs</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUL 210: Enjoyment of Music or</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THE 2000: Theatre Survey or</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 2010: Introduction to Philosophy</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAC 1105C: College Algebra</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAC 1105C: College Algebra or</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGF 1106: Finite Mathematics or</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGF 1107: Explorations in Mathematics</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>1 hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSC 1121: Physical Science Lab</td>
<td>1 hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDF 2130: Child and Adolescent Development for</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educators</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 2012: General Psychology</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSC 1121: Physical Science</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose Lifelong Learning Specialization course</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS 2041: American National Government</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGF 1106: Finite Mathematics</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose Lifelong Learning Specialization course</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sophomore Year - Fall</td>
<td>15 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEP B1 Elective</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSC 1005: Biological Principles</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDF 2005: Introduction to the Teaching Profession</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPC 1608: Fundamentals of Oral Communication</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARH 2050: History of Western Art I</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MHS 2330: Career Planning</td>
<td>3 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sophomore Year - Spring</td>
<td>14 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>14 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifelong Learning Track</td>
<td>14 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choose Lifelong Learning Specialization course</td>
<td>14 hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Track</td>
<td>1 hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PET 2081: Wellness, Children and Schools</td>
<td>1 hr</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

[1 PET 2081: Wellness, Children and Schools 1 hr]

[Dr. Trey Philpotts]

[Email: english@ucf.edu]

[Phone: 407-823-5596]

[http://english.ucf.edu]

[College of Arts and Humanities]

[http://english.ucf.edu]

[Undergraduate Catalog 2016-2017]
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in the major without prior approval from the department.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

Prefer LIT 2110 World Literature I 3 hrs
Prefer LIT 2120 World Literature II 3 hrs
Select one class from B.1 list 3 hrs

C: Mathematical Foundations

Math: 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list

D: Social Foundations

Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

1 See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)

CRW 3013 Creative Writing for English Majors 3 hrs
1 ENG 3014 Theories and Techniques of Literature Study 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses.

4. Core Requirements: Advanced Level (12 hrs)

- Literary History Requirement
- Choose four courses total from these two groupings

Select at least one of these pre-1865 literature courses.

Select 1: 3 hrs

AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 3220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 Eighteenth-Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
AML 3286 Early American Women's Words or 3 hrs
AML 3640 Native American Literature or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
ENL 3296 Gothic Literature 3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs

- Each semester, additional courses may satisfy this requirement. Check with an advisor for details.

AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women's Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3191 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-WWII Fiction or 3 hrs
LIT 3623 Hispanic Women Writers 3 hrs

5. Restricted Electives (15 hrs)

- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following: 6 hrs

Select 2: 6 hrs

CRW 3120 Fiction Writing Workshop or 3 hrs
CRW 3211 Creative Nonfiction Writing or 3 hrs
CRW 3310 Poetry Writing Workshop or 3 hrs
CRW 3610 Writing Scripts 3 hrs

b. Choose two of the following: 6 hrs

Select 2: 6 hrs

CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
1 CRW 4224 Advanced Nonfiction Workshop or 3 hrs
CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
CRW 4616 Advanced Scriptwriting Workshop 3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following: 3 hrs

Select 1: 3 hrs

CRW 3311 Readings in Poetry for Creative Writing or 3 hrs
CRW 3540 Literary Magazines or 3 hrs
CRW 4114 History of Prose Style or 3 hrs
CRW 4724 The Florida Review or 3 hrs
CRW 4014 The Writing Life or 3 hrs
CRW 4722 Editing for Creative Writers or 3 hrs
any other CRW elective or Special Topics course 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
- Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements

- None
UCF Degree Programs

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
   ■ Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors in Major (9 hrs)
■ Application and admission through the English Honors Committee and the Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Grade of "B" (3.0) or better in an undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
■ Successful completion and oral defense of Honors thesis.

Related Programs
■ English - Technical Communication
■ English - Literature

Certificates
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MCF 1108 Finite Mathematics 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
LIT 2110 World Literature I 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall 16 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring 15 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
AML 3031 American Literature I 3 hrs
ENL 3296 Gothic Literature 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
CRW 3053 Theory & Practice of Creative Writing 3 hrs

Junior Year - Fall 15 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs
AML 3041 American Literature II 3 hrs
CRW 3211 Creative Nonfiction Writing 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
ENL 4101 English Novel 3 hrs
CRW 3120 Fiction Writing Workshop 3 hrs
CRW 4224 Advanced Nonfiction Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
CRW 3311 Readings in Poetry for Creative Writing 3 hrs
CRW 4122 Advanced Creative Nonfiction Writing Workshop 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
CRW 3610 Writing Scripts 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 1 hr

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/al/academic_learning_compacts.htm

English - Literature (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Dr. Trey Philpotts
Phone: 407-823-5596

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each required course.
■ Co-op or internship credit is not accepted in the major.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations
Preferred LIT 2110 World Literature I 3 hrs
Preferred LIT 2120 World Literature II 3 hrs
Select one class from B.1 list 3 hrs

University of Central Florida
194 Undergraduate Catalog 2016-2017
C: Mathematical Foundations

Math:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
Or You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
- Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

2. Common Program Prerequisites (CPP)

- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- ¹ENG 3014 Theories and Techniques of Literature Study 3 hrs

3. Core Requirements: Basic Level (6 hrs)
- ¹ENG 3014 Theories and Techniques of Literature Study 3 hrs

Choose one gateway course 3 hrs
- CRW 3013 Creative Writing for English Majors or 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- CRW 3053 Theory & Practice of Creative Writing or 3 hrs
- LIT 3212 Research & Writing About Literature 3 hrs

¹ Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (15 hrs)

- Literary History Requirement
- Choose five courses from the two groupings

Select at least two pre-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 3220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 Eighteenth-Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- LIT 4374 Literature of the Bible or 3 hrs
- AML 3266 Early American Women's Words or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- ENL 3296 Gothic Literature 3 hrs

Select at least two post-1865 literature courses 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

Select 2: 6 hrs
- AML 3041 American Literature II or 3 hrs
- AML 3263 Contemporary American Women's Fiction or 3 hrs
- AML 3614 Topics in African-American Literature or 3 hrs
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4265 Florida Writers or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- CRW 4246 Caribbean Literature or 3 hrs
- CRW 3290 Nineteenth Century British Prose or 3 hrs
- ENL 4630 Modern British Literature or 3 hrs
- LIT 3082 Continental European Fiction Since 1900 or 3 hrs
- LIT 3192 Caribbean Literature or 3 hrs
- LIT 4043 Modern Drama As Literature or 3 hrs
- LIT 4194 Irish Literature or 3 hrs
- LIT 4303 Post-World War II Fiction or 3 hrs
- LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (15 hrs)
- Upper Division Requirements
- Choose one single author or major author course: 3 hrs

Select 1: 3 hrs
- AML 4300 Major American Authors or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4303 British Authors or 3 hrs
- LIT 4244 World Authors or 3 hrs

Select one linguistics or theory course: 3 hrs

Select 1: 3 hrs
- ENG 3010 Practical Criticism or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 4105 History of the English Language or 3 hrs
- LIN 4643 Cross Cultural Communication or 3 hrs
- LIN 4680 Linguistics and Literature or 3 hrs
- LIN 4680 Modern English Grammar or 3 hrs
- LIT 4554 Advanced Feminist Theories or 3 hrs

Three additional upper level courses 9 hrs
- AML, ENL, LIT or ENG prefix

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors in Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
UCF Degree Programs

- Successful completion and oral defense of Honors thesis.

**Related Programs**
- English - Creative Writing
- English - Technical Communication

**Certificates**
- None

**Related Minors**
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPA 1608 Fundamentals of Oral Communication 3 hrs

**Freshman Year - Spring**
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization I 4 hrs

1 Any language course at this level is acceptable.

**Sophomore Year - Fall**
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

1 Any language course at this level is acceptable.

**Sophomore Year - Spring**
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- American Literature I 3 hrs
- American Literature II 3 hrs
- Restricted Elective 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 4 hrs

1 Third semester of language can be replaced with a diversity course. See department advisor for list of approved courses.

**Junior Year - Fall**
- LIT 3212 Research & Writing About Literature 3 hrs
- ENL 4273 Modern British Literature 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Spring**
- ENL 3231 Restoration Literature 3 hrs
- AMH 4261 Literature of the South 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Fall**
- AML 4101 American Novel 3 hrs
- ENL 4253 The Victorian Age 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- LIT 3383 Women in Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**English - Technical Communication (B.A.)**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

**http://english.ucf.edu**

**Email: english@ucf.edu**

Dr. Trey Philpotts
Phone: 407-823-5596

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)**
   - (36 hrs)
   - **A: Communication Foundations**
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPA 1608 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations**
     - (9 hrs)
   - **C: Mathematical Foundations**
     - (6 hrs)
   - **Math:**
     - 3 hrs
     - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - **Statistics - Computers**
     - 3 hrs
     - Select a course from GEP C.2 list 3 hrs

2. **Social Foundations**
   - (6 hrs)
   - Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: **Science Foundations**
- (6 hrs)

2. **Common Program Prerequisites (CPP)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**Q. Core Requirements: Basic Level**
- (6 hrs)
- Select 1:
  - 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain and achieve a minimum GPA of 2.0 in all courses used towards the major.
- Computer Competency met by completion of the following:
  - ENC 4293 Documentation and the Collaborative Process

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors in Major (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Literature

Certificates

- None

Related Minors

- English - Creative Writing
- English - Language
- English - Linguistics
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Acceptable Substitutes for Transfer Courses
■ ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
■ One of the numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
LIT 2110 World Literature I 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall 16 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
BSC 1005 Biological Principles 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
AML 3041 American Literature II 3 hrs
LIT 4331 Literature of Science and Technology 3 hrs
Required 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
AML 3041 American Literature II 3 hrs
LIT 4331 Literature of Science and Technology 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
ENC 4280 Technical Writing Style 3 hrs
LIT 3313 Science Fiction 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs
ENC 4262 International Technical Communication 3 hrs
Required 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 13 hrs
ENC 4414 Writing and Hypertext 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Required 3 hrs
Restricted Elective 1 hr

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179
Dr. Janet Andreasen, Janet.Andreasen@ucf.edu

The English Language Arts Education B.S. program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
■ Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
■ Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
■ Meet the Gordon Rule Requirement.
■ Meet Foreign Language Admission Requirement.
■ Have a minimum 2.5 overall GPA
■ Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
■ Students should see an advisor prior to registering for classes
■ The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
■ The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
■ Students are advised to take the preferred courses.
A: Communication Foundations (9 hrs)
  Required ENC 1101 Composition I 3 hrs
  Required ENC 1102 Composition II 3 hrs
  Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
  General Education Program course from section B1 to meet Gordon Rule Requirement
  Required LIT 2110 World Literature I 3 hrs

Select 1:
  Prefer MUL 2010 Enjoyment of Music 3 hrs
  Prefer THE 2000 Theatre Survey or 3 hrs
  Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
  Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:
  Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
  Prefer POS 2041 American National Government 3 hrs
  Prefer PSY 2012 General Psychology 3 hrs
UCF Degree Programs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDP 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
2 EME 2040 Introduction to Technology for Educators 3 hrs
3 ENC 1101 Composition I GEP
4 ENC 1102 Composition II GEP
5 SPC 1608 Fundamentals of Oral Communication GEP
6 LIT 2110 World Literature I GEP

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

Education Track 9 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Lifelong Learning Track 12 hrs
- MHS 2330 Career Planning 3 hrs
- LIT 2110 World Literature I GEP
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)
- Education Track requires 66 semester hours
- Lifelong Learning Track requires 63 semester hours

Education Core Requirements 21 hrs
- EDP 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

1 Prerequisite for Internship I.

Education Track Specialization Requirements 24 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Select 1: 3 hrs
- ENC 3311 Essay as Cultural Commentary or
- LIN 4105 History of the English Language 3 hrs

1 Prerequisite for Internship I.

Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, LAE 4466 Canon, Young Adult Literature, and Curriculum, and LAE 4464 Introduction to Adolescent Literature with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicallexp/.

- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs

Internship II Block 12 hrs
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicallexperiences.education.ucf.edu/.

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

- Passing scores on all sections [General Knowledge, Professional, and Subject Area (English 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.

- LAE 4941 Internship 9 hrs
- ESE 4033C Critical Issues and Trends in Secondary Education 9 hrs

Lifelong Learning Track Specialization 42 hrs

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

- A grade of “C-” (1.75) or better is required.

- Must have a total of 48 or more hours of upper level courses to graduate.

- LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
- LIT 4043 Modern Drama As Literature 3 hrs
- LIT 4244 World Authors 3 hrs
- LIT 3482 Literature & Popular Culture 3 hrs
UCF Degree Programs

60 semester hours earned after CLEP awarded

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- 120 University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

University of Central Florida
Education Track 3 hrs
AML 3041 American Literature II 3 hrs

Lifelong Learning Track 3 hrs
Choose Lifelong Learning Specialization course 3 hrs

Junior Year - Fall 15 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Education Track 6 hrs
CRW 3013 Creative Writing for English Majors 3 hrs

Select 1:
ENC 3311 Essay as Cultural Commentary or 3 hrs
LIN 4105 History of the English Language 3 hrs

Lifelong Learning Track 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs

Junior Year - Spring 15 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Education Track 9 hrs
LAE 4464 Survey of Adolescent Literature and 3 hrs
LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs
LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Junior Year - Summer 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Education Track 3 hrs

Lifelong Learning Track 3 hrs
Choose a Lifelong Learning Specialization course 3 hrs

Senior Year - Fall 12 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track 9 hrs
LAE 4360 English Instructional Analysis and Internship and 3 hrs
LAE 3940 Programs in Teaching Language and Composition 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring 12 hrs
Education Track 12 hrs
LAE 4941 Internship and Critical Issues and Trends in Secondary Education 9 hrs
ESE 4033C 3 hrs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Entertainment Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@ucf.edu
Dr. Robertico Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advanced cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1:
Required MAC 1105C College Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Required ECO 2023 Principles of Macroeconomics 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

HFT 2071 Introduction to the Entertainment Industry 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
MAC 1105C College Algebra GEP
Select 1:
Required STA 2023 Statistical Methods I or GEP
Required STA 2023 Statistical Methods I or GEP

Select 1:
Required ECO 2013 Principles of Macroeconomics 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

4. Core Requirements: Advanced Level (72 hrs)
HFT 2750 The Event Industry 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4755 Theme Park and Attraction Management 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
UCF Degree Programs

HFT 3395 Entertainment Media and Technology 3 hrs
HFT 3795 Leading in the Entertainment Industry 3 hrs
HFT 4377 Entertainment Production Management 3 hrs
HFT 4469 Financial Performance in Entertainment 3 hrs
HFT 4623 Entertainment Law and Ethics 3 hrs
HFT 3593 Consumer Behavior in Entertainment 3 hrs
HFT 4378 Entertainment Portfolio Management 3 hrs
HFT 4626 Public Policy Issues in the Entertainment Industry 3 hrs
HFT 4398 Internship Entrepreneurship 3 hrs

Performing Arts 12 hrs
MUL 2010 Enjoyment of Music 3 hrs
THE 2000 Theatre Survey 3 hrs
MUS 4320 Music Business and Industry 3 hrs
THE 3082 Theatre Careers 3 hrs

Internships 3 hrs
HFT 3940 Internship I 1 hr
HFT 4941 Internship II 1 hr
HFT 4944 Internship III 1 hr

5. Restricted Electives (9 hrs)
Complete three restricted Entertainment Management Electives 9 hrs

Management Electives
3000 or Higher Restricted Elective and 3 hrs
3000 or Higher Restricted Elective and 3 hrs
3000 or Higher Restricted Elective and 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

Graduation
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
Cult/Hist Foundations I 3 hrs
MAC 1105C College Algebra 3 hrs
HFT 2071 Introduction to the Entertainment Industry 3 hrs

Select 1:
PSY 1012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology or 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
Cult/Hist Foundations II 3 hrs
HFT 2330 Entertainment Management 3 hrs

Select 1:
CGS 2100C Computer Fundamentals for Business or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Science Foundations I 3 hrs
HFT 2563 Digital Marketing in Entertainment 3 hrs

Select 1:
ECO 2013 Principles of Microeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Spring 16 hrs
Science Foundations II 3 hrs
Cult/Hist Foundations III 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2750 The Entertainment Industry 3 hrs
HFT 3940 Internship I 1 hr
HFT 3795 Leading in the Entertainment Industry 3 hrs

Junior Year - Fall 16 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4941 Internship II 1 hr
MUS 4320 Music Business and Industry 3 hrs
HFT 3375 Entertainment Business 3 hrs
HFT 3376 Foundations of Production Management 3 hrs
3000 or Higher Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
HFT 4755 Theme Park and Attraction Management 3 hrs
HFT 4623 Entertainment Law and Ethics 3 hrs
HFT 3463 Revenue & Relationships in the Entertainment Industry 3 hrs
3000 or Higher Restricted Elective 3 hrs
THE 3082 Theatre Careers 3 hrs

Senior Year - Fall 15 hrs
HFT 4377 Entertainment Production Management 3 hrs
HFT 3395 Entertainment Media and Technology 3 hrs
HFT 4469 Financial Performance in Entertainment 3 hrs
HFT 3593 Consumer Behavior in Entertainment 3 hrs
3000 or Higher Restricted Elective 3 hrs
Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Environmental Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from MUL 2010, PHI 2010 or THE 2000 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundations Group 1 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- Select one class from Social Foundations Group 1 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

1 CHM 2046  Chemistry Fundamentals II  3 hrs
1 CHM 2045C  Chemistry Fundamentals I CPP
1 MAC 2311C  Calculus with Analytic Geometry I  GEP
MAC 2312  Calculus with Analytic Geometry II  4 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs
PHY 2048C  General Physics Using Calculus I  GEP
PHY 2049C  General Physics Using Calculus II  4 hrs

Select one of the following sequences of courses:
- Preferred course
  CHM 2045C  Chemistry Fundamentals I  4 hrs
  or
  CHM 2040  Chemistry Fundamentals IA and  3 hrs
  CHM 2041  Chemistry Fundamentals IB  3 hrs

1 also satisfy UCF GEP sub-requisites

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- Preferred course
  EGS 1006C Introduction to the Engineering Profession  1 hr
  EGN 1007C Engineering Concepts and Methods  1 hr
  CHM 2045C  Chemistry Fundamentals I  GEP
  CHM 2046  Chemistry Fundamentals II  3 hrs
  CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  Earth Science  GEP
  Biological Science  3 hrs

1 A “C” (2.0) or better is required in this course.
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level (53 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331C</td>
<td>Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEG 401IC</td>
<td>Geotechnical Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EES 4020C</td>
<td>Chemical Process Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4561</td>
<td>Advanced Environmental Engineering Operations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4341</td>
<td>Sustainable Resource Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4202C</td>
<td>Hydraulics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 6. Capstone Requirements (6 hrs)

- **Required Senior Design Courses**
- Environmental Engineering Design 3 hrs
- **Specialization**
- Must be completed before registering for CGN 4808C - Capstone Design
- ENV 4433C Environmental Engineering Wastewater 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4562C Environmental Engineering Water Treatment Design 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs

#### 5. Restricted Electives (3 hrs)

- Technical electives are available in the BSENV program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

#### 7. Environmental Engineering Design

- **Specialization**
- Must be completed before registering for CGN 4808C - Capstone Design
- ENV 4433C Environmental Engineering Wastewater 3 hrs
- ENV 4122C Air Pollution Control Design or 3 hrs
- ENV 4562C Environmental Engineering Water Treatment Design 3 hrs
- CGN 4808C CECE Capstone Design 3 hrs

#### Advising Notes

- A “C” (2.0) or better is required in this course.

### 8. Electives

- None

### 9. Additional Requirements

- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.
- Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 128

### Honors In Major

- None

### Related Programs

- Chemistry
- Construction Engineering
- Civil Engineering

### Certificates

- None

### Related Minors

- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall

- ENC 1101C Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEC 3300C Introduction to Chemistry 3 hrs

#### Freshman Year - Spring

- ENC 1102C Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- GEC 3300C Introduction to Chemistry 3 hrs

#### Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- CHM 2045L Chemistry Fundamentals Laboratory 1 hr
- ENV 3001 Environmental Engineering 3 hrs

#### Sophomore Year - Spring

- MAC 2314 Calculus with Analytic Geometry IV 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EGN 3311 Thermodynamics 3 hrs
- EGN 3313C Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

### Related Programs

- Bioengineering
- Civil Engineering
- Construction Engineering
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall

- ENC 1101C Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEC 3300C Introduction to Chemistry 3 hrs

#### Freshman Year - Spring

- ENC 1102C Composition II 3 hrs
- MAC 2312C Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- GEC 3300C Introduction to Chemistry 3 hrs

#### Sophomore Year - Fall

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3613 Engineering Economic Analysis 2 hrs
- CHM 2045L Chemistry Fundamentals Laboratory 1 hr
- ENV 3001 Environmental Engineering 3 hrs

#### Sophomore Year - Spring

- MAC 2314 Calculus with Analytic Geometry IV 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EGN 3311 Thermodynamics 3 hrs
- EGN 3313C Mechanics of Materials 3 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

## UNIVERSITY OF CENTRAL FLORIDA

204 Undergraduate Catalog 2016-2017
Sophomore Year - Summer  
- STA 3032 Probability and Statistics for Engineers 3 hrs  
- CWR 3201 Engineering Fluid Mechanics 3 hrs  
- GEP 3 hrs  

Junior Year - Fall  
- ENV 4531 Environmental Engineering Unit Operations & Processes 3 hrs  
- EES 4202 Chemical Process Control 4 hrs  
- ENV 4120 Air Pollution and Hazardous Waste Control 3 hrs  
- CWR 4202C Hydraulics 3 hrs  
- GEP 3 hrs  

Junior Year - Spring  
- EES 4111C Biological Process Control 4 hrs  
- ENV 4561 Advanced Environmental Engineering Operations & Processes 3 hrs  
- GEP 3 hrs  
- Approved Project Design 3 hrs  

Select 1:  
- CWR 4120 Hydrology or 3 hrs  
- CWR 4124 Hydrogeology 3 hrs  

Senior Year - Fall  
- CEG 4011C Geotechnical Engineering I 4 hrs  
- ENV 4341 Sustainable Resource Management 3 hrs  
- GEP 3 hrs  
- Earth Science 3 hrs  

Senior Year - Spring  
- Technical Elective 3 hrs  
- GEP 3 hrs  
- CGS 4908C CECE Capstone Design 3 hrs  
- CCE 4003 Introduction to the Construction Industry 3 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: 
  [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees  
- Part-Time Student: $44 per term  
- Full-Time Student: $87 per term  

Event Management (B.S.)  
Rosen College of Hospitality Management  
Department of Tourism Event and Attractions,  
9907 Universal Boulevard, Orlando, FL 32819  
[http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)

Admission Requirements  
- None  

Degree Requirements  
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.  
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.  

1. UCF General Education Program (GEP) (36 hrs)  
   - A: Communication Foundations (9 hrs)  
   - B: Cultural & Historical Foundations (9 hrs)  
   - C: Mathematical Foundations (6 hrs)  
   - Required MAC 1105C College Algebra 3 hrs

Select 1:  
- Required CGS 2100C Computer Fundamentals for Business or 3 hrs  
- Required STA 2023 Statistical Methods I 3 hrs  

D: Social Foundations (6 hrs)  
- Select 1:  
- Required ECO 2013 Principles of Macroeconomics 3 hrs  
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:  
- Required PSY 2012 General Psychology or 3 hrs  
- Required SYG 2000 Introduction to Sociology or 3 hrs  
- Required ANT 2000 General Anthropology or 3 hrs

E: Science Foundations (6 hrs)  
- 2. Common Program Prerequisites (CPP) (3 hrs)  
  - See “Common Prerequisites” in the Transfer and Transition Services section for more information.

Internships  
- HFT 3840 Internship I 1 hr  
- HFT 4941 Internship II 1 hr  
- HFT 4944 Internship III 1 hr  

Event Management Core  
- FSS 2284C Food Preparation for Catered Events 4 hrs  
- HFT 2750 The Event Industry 3 hrs  
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs  
- HFT 2500 Hospitality and Tourism Marketing 3 hrs  
- HFT 3512 Event Promotion 3 hrs  
- HFT 3519 Event Services 3 hrs  
- HFT 3523 Event Sales 3 hrs  
- HFT 4757 Event Management 3 hrs  
- HFT 3443 Event Technology 3 hrs  
- HFT 4802 Catering Sales Management 3 hrs

5. Restricted Electives (15 hrs)  
Complete any five restricted Event Management Electives 15 hrs

5. Restricted Electives  
- Required CGS 2100C Computer Fundamentals for Business or 3 hrs  
- Required STA 2023 Statistical Methods I 3 hrs  

6. Capstone Requirements  
- None  

7. Foreign Language Requirements  
- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)  

Graduation  
- None
UCF Degree Programs

8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Final Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a "C" (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult/Hist. Foundations I 3 hrs
- Select 1: 3 hrs
- 15 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 2750 The Event Industry 3 hrs
- Cult/Hist. Foundations II 3 hrs
- Select 1: 3 hrs
- 15 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- FSS 2284C Food Preparation for Catered Events 4 hrs
- Science Foundations I 3 hrs
- Select 1: 3 hrs
- 16 hrs

Sophomore Year - Spring
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- Science Foundations II 3 hrs
- Cult/Hist. Foundations III 3 hrs
- Free Elective 3 hrs
- 16 hrs

Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3431 Hospitality industry Managerial Accounting 3 hrs
- HFT 3519 Event Services 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3940 Internship I 1 hr
- Free Elective 3 hrs
- 16 hrs

Junior Year - Spring
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 3523 Event Sales 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 4941 Internship II 1 hr
- Event Restricted Elective 3 hrs
- Free Elective 3 hrs
- 16 hrs

Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4944 Internship III 1 hr
- Event Restricted Electives 12 hrs
- 16 hrs

Senior Year - Spring
- HFT 4757 Event Management 3 hrs
- HFT 4802 Catering Sales Management 3 hrs
- Event Restricted Elective 3 hrs
- Free Electives 3 hrs
- 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Film (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of "B" (3.0) or better in Film major courses.
1. UCF General Education Program (GEP) (36 hrs)
   - See Transfer Notes for possible substitutions.
   A: Communication Foundations (9 hrs)
   - Prefer FIL 2030 History of Motion Pictures 3 hrs
   - Prefer one course from B.1 list 3 hrs
   - Prefer one course from either B.1 or B.2 list 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer one course from GEP C.2 list 3 hrs
   - Prefer one course from either B.1 or B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Math 3 hrs
   - Prefer one course from either B.1 or B.2 list 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer one course from either B.1 or B.2 list 3 hrs

   E: Science Foundations (6 hrs)
   - Prefer one course from either B.1 or B.2 list 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   - Select primarily from upper level courses, with advisor's approval. May be outside of the department.

3. Core Requirements: Basic Level (21 hrs)
   - Lower level core requirements
     - FIL 2030 History of Motion Pictures GEP 3 hrs
     - FIL 1007 Foundations of Story 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   - Upper level core requirements
     - FIL 3115 Short Script I 3 hrs
     - FIL 3132 Short Script II 3 hrs
     - FIL 3427C Introduction to Film Production 3 hrs
     - FIL 3036 Film History I 3 hrs
     - FIL 3037 Film History II 3 hrs
     - FIL 3803C Film Theory and Criticism I 3 hrs
     - FIL 3922 Film Colloquium 1 hr
     - FIL 4486 Directing for Film II 3 hrs
     - FIL 4661 The Film Producer 3 hrs
     - FIL 4647 Film Production Management 3 hrs

5. Restricted Electives (12 hrs)
   - Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor's prior approval.

   Production / Direction
   - FIL 3303C Film Documentary 3 hrs
   - DIG 4704 Interactive Entertainment 3 hrs
   - FIL 4472C Cinematography II 3 hrs
   - FIL 4535C Sound Design for Film II 3 hrs
   - FIL 4536 Sound Design III 3 hrs
   - FIL 4451 Design for Film 3 hrs
   - FIL 4487 Directing for Film III 3 hrs
   - FIL 4566C Editing II 3 hrs

   Screen Writing
   - FIL 4103 Adaptation 3 hrs
   - FIL 4162C Feature/TV Writing I 3 hrs
   - FIL 4163C Feature/TV Writing II 3 hrs
   - FIL 4126C Genre Writing 3 hrs
   - FIL 4906 Directed Independent Study 1 hr

   Cinema Studies
   - FIL 3880C Images of Women in Film 3 hrs
   - FIL 3831 Black Cinema 3 hrs
   - FIL 3051 Avant-Garde Cinema 3 hrs
   - FIL 3843C Film Theory and Criticism II 3 hrs
   - FIL 3841 French New Wave Cinema 3 hrs
   - FIL 3824 Italian Neo-Realist Cinema 3 hrs
   - FIL 3847 Latin American Cinema 3 hrs
   - FIL 3820 Italian Film 3 hrs
   - FIL 3822 French Film 3 hrs
   - FIL 3823 German Film 3 hrs
   - FIL 3826 American Cinema 3 hrs
   - FIL 3871 The American Film Artist 3 hrs
   - FIL 4436 Film Theory/Film Production 3 hrs

   Digital Cinema
   - ART 2823 Art as Interface 3 hrs
   - ART 3618 Post-Production Design 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - DIG 4855 Converging Media Capstone 3 hrs
   - DIG 3138C Digital Imagery 3 hrs
   - DIG 4780C Modeling for Realtime Systems 3 hrs
   - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
   - DIG 3134 Media Software Design 3 hrs
   - MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)
   - FIL 4434C Capstone I 3 hrs
   - FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements
   - Met by graduation requirement

8. Electives
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A student must maintain an overall average of a “B” (3.0) or better in major courses.
    - Department of Film requires an exit interview.

   Computer Competency met by one of the following:
   - GCS 1060C Introduction to Computers or
   - FIL 2030 History of Motion Pictures
   - STA 1063C Basic Statistics Using Microsoft Excel

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None
UCF Degree Programs

Related Programs
- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken.

Plan of Study

Freshman Year - Fall  
12 hrs
- ENC 1101  Composition I  3 hrs
- FIL 1007  Foundations of Story  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Freshman Year - Spring  
12 hrs
- ENC 1102  Composition II  3 hrs
- FIL 2030  History of Motion Pictures  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Freshman Year - Summer  
6 hrs
- GEP  3 hrs
- GEP  3 hrs

Sophomore Year - Fall  
15 hrs
- FIL 2107  Script Analysis  3 hrs
- FIL 3427C  Introduction to Film Production  3 hrs
- FIL 1008  Cinematic Expression/Aesthetics  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Sophomore Year - Spring  
15 hrs
- FIL 2480  Directing for Film I  3 hrs
- FIL 2481  Directing the Actor for Film I  3 hrs
- FIL 2555  Editing I  3 hrs
- FIL 3115  Short Script I  3 hrs
- GEP  3 hrs

Sophomore Year - Summer  
8 hrs
- Foreign Language Elementary Level I  4 hrs
- Foreign Language Elementary Level II  4 hrs

Junior Year - Fall  
15 hrs
- FIL 2461  Cinematography I  3 hrs
- FIL 3036  Film History I  3 hrs
- FIL 3534  Sound Design for Film I  3 hrs
- FIL 3803C  Film Theory and Criticism I  3 hrs
- FIL 4486C  Directing for Film II  3 hrs

Junior Year - Spring  
15 hrs
- FIL 3037  Film History II  3 hrs
- FIL 3132  Short Script II  3 hrs
- DIG 2000  Introduction to Digital Media  3 hrs
- FIL 4647  Film Production Management  3 hrs
- FIL 4661  The Film Producer  3 hrs

Senior Year - Fall  
12 hrs
- FIL 4434C  Capstone I  3 hrs
- Upper Level FIL Elective  3 hrs

Senior Year - Spring  
12 hrs
- FIL 4573C  Capstone II  3 hrs
- Upper Level FIL Elective  3 hrs
- Upper Level FIL Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Nicholson School of Communication, Room: 121
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 45 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in (1) General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
    Prefer FIL 2030  History of Motion Pictures  3 hrs
    Prefer one course from B.1 list  3 hrs
    Prefer one course from B.1 or B.2 list  3 hrs
C: Mathematical Foundations (6 hrs)
    Math  3 hrs
    1 Suggested MGF 1106  Finite Mathematics or  3 hrs
    Suggested MGF 1107  Explorations in Mathematics  3 hrs
    or
    You may substitute a higher level math with appropriate scores on the Math Placement Exam.
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

UNIVERSITY OF CENTRAL FLORIDA
2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Admissions sections for more information.
- FIL 2030 History of Motion Pictures GEP
- FIL 1007 Foundations of Story 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2423 Foundations of Production 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3462C Cinematic Expression 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 3036 Film History I 3 hrs
- FIL 3037 Film History II 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 4661 The Film Producer 3 hrs

Select 1:
- FIL 3102 Writing for Film and TV or 3 hrs
- FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used.
  - FIL 3850 Cinema Directors 3 hrs
  - FIL 3880C Images of Women in Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3842 International Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4436 Film Theory/Film Production 3 hrs
  - FIL 4906 Directed Independent Study 3 hrs
  - DIG 4855 Converging Media Capstone 3 hrs
  - DIG 4704 Interactive Entertainment 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 5612 Film and Internet Business 3 hrs
  - FIL 3852 Cinema Criticism Writing 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions: Met by graduation requirement.
- Graduation: Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements
- A student must maintain an average overall of “C” (2.0) or better in major courses.
- Computer competency met by one of the following:
  - CGS 1060C Introduction to Computers 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 120

Honors In Major
- None

Related Programs
- Art
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film
- Film - World Cinema Track

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Related Programs
- Related Minors
- English - Creative Writing
- Theatre
- Music

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- Foreign Language Elementary Level I 4 hrs
- GEP 3 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- Foreign Language Elementary Level II 4 hrs
- GEP 3 hrs

Freshman Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs
## UCF Degree Programs

### Finance (B.S.B.A.)

**College of Business Administration**  
**Department of Finance,**  
**Business Administration I, Room: 409**  
Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking and real estate. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least "B" (3.0) in FIN 3403, at least a "B" (3.0) in ACG 3173 OR at least a "C" (2.0) in ACG 3131. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

### Degree Requirements

- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a "B" (3.0) or higher in FIN 3403 and ACG 3173 or a "C" (2.0) or higher in ACG 3131. In addition, only grades of "C" (2.0) or higher transfer into the program and students must earn a minimum of "C" (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

### 1. UCF General Education Program (GEP) (36 hrs)

| A: Communication Foundations (9 hrs)  |
| Prefers  | SPC 1608 Fundamentals of Oral Communication |

### 2. Common Program Prerequisites (CPP) (18 hrs)

| E: Science Foundations (6 hrs)  |
| Select 1:  |
| Prefers  | ECO 2023 Principles of Microeconomics  |
| Prefers  | ECO 2023 Principles of Microeconomics  |

### 3. UCF Transfer Equivalency Chart

- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.

| ECO 3401 Quantitative Business Tools | 3 hrs |

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Finance (B.S.B.A.)

#### Degree Requirements

<table>
<thead>
<tr>
<th>Degree Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who change their degree programs and select this major must adopt the most current catalog.</td>
</tr>
<tr>
<td>Students wanting to major in Finance must apply for admission to the major.</td>
</tr>
<tr>
<td>Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.</td>
</tr>
<tr>
<td>For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.</td>
</tr>
<tr>
<td>A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.</td>
</tr>
<tr>
<td>Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.</td>
</tr>
<tr>
<td>Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 or a “C” (2.0) or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.</td>
</tr>
</tbody>
</table>

### 1. UCF General Education Program (GEP) (36 hrs)

| A: Communication Foundations (9 hrs)  |
| Prefers  | SPC 1608 Fundamentals of Oral Communication |

### 2. Common Program Prerequisites (CPP) (18 hrs)

| E: Science Foundations (6 hrs)  |
| Select 1:  |
| Prefers  | ECO 2023 Principles of Microeconomics  |
| Prefers  | ECO 2023 Principles of Microeconomics  |

### 3. UCF Transfer Equivalency Chart

- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

| ECO 3401 Quantitative Business Tools | 3 hrs |
3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level

Primary Core

- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core

- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- GUL 3310 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major

- FIN 3141 Intermediate Corporate Finance 3 hrs
- FIN 4243 Debt and Money Markets 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- FIN 4244 Advanced Topics in Financial Management 3 hrs

5. Restricted Electives

Business Electives

- Select 2: 6 hrs
  - FIN 3461 Financial Statement Analysis 3 hrs
  - FIN 4324 Commercial Bank Management 3 hrs
  - FIN 4453 Financial Models 3 hrs
  - FIN 4514 Portfolio Analysis and Management 3 hrs
  - FIN 4533 Financial Derivatives 3 hrs
  - FIN 4604 International Financial Management 3 hrs

Finance Restricted Electives

- Select two below or an additional two courses from the Finance Electives above:
  1. ACG 3141 Intermediate Financial Accounting II 3 hrs
  2. ECO 4412 Econometrics 3 hrs
  3. ECO 3101 Intermediate Microeconomics 3 hrs
  4. ECO 3203 Intermediate Macroeconomics 3 hrs
  5. FIN 4906 Directed Independent Study 3 hrs
  6. FIN 4941 Finance Internship 3 hrs
  7. FIN 4903H Honors Directed Reading I 3 hrs
  8. FIN 4970H Undergraduate Honors Thesis 3 hrs
  9. GEB 4374 International Negotiations and Transactions 3 hrs
  10. MAR 3391 Professional Selling 3 hrs
  11. REE 4203 Commercial Real Estate Finance 3 hrs
  12. REE 4303 Real Estate Investment Analysis 3 hrs

6. Capstone Requirements

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation

None

8. Electives

- Variable

9. Additional Requirements

None
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher shall be transferred into the program and students must have a "C" (2.0) or better in each common program prerequisite class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Sophomore Year - Fall
- 16 hrs
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ENC 2022 Composition II 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 3203 Management of Organizations 3 hrs
  - MAC 3203 Marketing 3 hrs
  - MAC 3203 Marketing 3 hrs
  - FIN 3403 Business Finance 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business 3 hrs
  - FIN 4424 Advanced Topics in Financial Management 3 hrs
  - FIN Restricted Elective 3 hrs

Sophomore Year - Spring
- 15 hrs
  - ACG 3173 Accounting for Decision-Makers 3 hrs
  - ECO 3411 Quantitative Business Tools II 3 hrs
  - MAR 3023 Marketing 3 hrs
  - MAR 3023 Marketing 3 hrs
  - FIN 3414 Intermediate Corporate Finance 3 hrs
  - GEB 3001 Career Research & Planning 1 hr

Junior Year - Fall
- 15 hrs
  - CHM 2041 Chemistry Fundamentals IA 3 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - MAC 3203 Management of Organizations 3 hrs
  - FIN 4243 Debt and Money Markets 3 hrs
  - GEB 3003 Career Research & Planning 1 hr
  - Business Elective 3 hrs
  - Elective 2 hrs

Senior Year - Fall
- 15 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - MAN 4720 Strategic Management 3 hrs
  - GEB 4004 Executing Your Career Plan 1 hr
  - FIN Elective 3 hrs
  - FIN Restricted Elective 3 hrs

Senior Year - Spring
- 14 hrs
  - FIN 4424 Advanced Topics in Financial Management 3 hrs
  - MAN 4720 Strategic Management 3 hrs
  - GEB 4004 Executing Your Career Plan 1 hr
  - FIN Elective 3 hrs
  - FIN Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Forensic Science - Analysis Track (B.S.)
College of Sciences
Department of Chemistry,
Physical Sciences Building, Room: 255
http://chemistry.cos.ucf.edu/
Email: chemstaff@ucf.edu
Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu
Phone: 407-823-1167

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

A: Communication Foundations (9 hrs)
- ENC 1101 Composition I 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- ENC 1102 Composition II 3 hrs

C: Mathematical Foundations (7 hrs)
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)
- STA 2023 Statistical Methods I 3 hrs

E: Science Foundations (8 hrs)
- PHY 2048C General Physics Using Calculus I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals I 3 hrs
- CHM 2041 Chemistry Fundamentals II 3 hrs
3. Core Requirements: Basic Level (18 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

**Basic Core: Required, satisfies the CPP**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2040</td>
<td>Chemistry Fundamentals IA and</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
<td>CPP</td>
</tr>
</tbody>
</table>

- and

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory and</td>
<td>CPP</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I and</td>
<td>GEP/CPP</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>GEP</td>
</tr>
</tbody>
</table>

**Basic Core: Additional Requirements (18 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory and</td>
<td>1 hr</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and</td>
<td>GEP</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>Immunology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Core Requirements: Advanced Level (34 hrs)**

**A. Forensic Science Core:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS 3501</td>
<td>Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GHS 3533</td>
<td>Forensic Biochemistry I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GHS 3595</td>
<td>Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GHS 4591</td>
<td>Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**B. Forensic Analysis Track:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS 3422</td>
<td>Applied Physical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 4130L</td>
<td>Advanced Analytical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GHS 3511C</td>
<td>Trace Evidence</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (12 hrs)

Select from the following:

- Note: Substitutions require prior approval by the Forensic Program advisor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3215L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 4506C</td>
<td>Forensic Investigation Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GHS 4515C</td>
<td>Forensic Crime Scene Investigation</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3063L</td>
<td>Genetics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>GHS 4533L</td>
<td>Forensic Biochemistry I Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>GHS 4534C</td>
<td>Forensic Biochemistry II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level.

- Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Core Requirements: Advanced Level and Restricted Electives.

- All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives) and a "C" (2.0) or better is earned are also included in both GPA calculations.

- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 124

Honor in Major

- None

Related Programs

- Chemistry

- Forensic Science - Biochemistry Track

Certificates

- Behavioral Forensics

- Crime Scene Investigation

Related Minors

- Chemistry

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- CHM 2045C: may use CHM X040 plus CHM X041.

- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.

- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- Before registering for Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/placement

- Before registering for Math, take Math Placement Test – http://utc.sdes.ucf.edu
UCF Degree Programs

Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.

This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Junior Year - Summer 7 hrs
Junior Year - Fall 15 hrs
Junior Year - Spring 13 hrs
Sophomore Year - Spring 15 hrs
Sophomore Year - Fall 14 hrs
Sophomore Year - Fall 12 hrs
Freshman Year - Spring 14 hrs
Freshman Year - Fall 14 hrs
Freshman Year - Summer 4 hrs

Part-Time Student: $45 per term
Equipment Fees
Phone: 407-823-1167
Email: chemstaff@ucf.edu
Dr. Tamra Legron-Rodriguez, tamra.legron-rodriguez@ucf.edu

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
Co-op credit cannot be used in this major.
Students should consult with a departmental advisor.
Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.
Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I
BSC 2010C General Physics Using Calculus II

Select one of the following sequences of courses:

CHM 2046L Chemistry Fundamentals Laboratory
CHM 2046L General Physics Using Calculus II

Take all of the following:

CHM 2046L Chemistry Fundamentals Laboratory
MAC 2311C Calculus with Analytic Geometry I
PHY 2048C General Physics Using Calculus I
3. Core Requirements: Basic Level (20 hrs)

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- CHM 2045C Chemistry Fundamentals I GEP/CPP
- or
- CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB CPP
- and
- CHM 2046 Chemistry Fundamentals II and CPP
- CHM 2046L Chemistry Fundamentals Laboratory and CPP
- BSC 2010C Biology I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
- PHY 2048C General Physics Using Calculus I and CPP
- PHY 2048C General Physics Using Calculus II CPP

Basic Core: Additional Requirements 20 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I and 2 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory and 1 hr
- STA 2023 Statistical Methods I and 3 hrs
- PCB 3063 Genetics and 3 hrs
- PCB 3063L Genetics Laboratory and 1 hr
- PCB 3233 Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

4. Core Requirements: Advanced Level (45 hrs)

A. Forensic Science Core 18 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Biochemistry Track: 27 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHS 4534C Forensic Biochemistry II 3 hrs
- CHS 3533L Forensic Biochemistry I Laboratory 1 hr
- MCB 3020G General Microbiology 5 hrs
- PCB 3522 Molecular Biology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

5. Restricted Electives (3 hrs)
Any course approved by the Forensic Program advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Students must maintain a cumulative GPA of 2.5 in all courses taken to meet Common Program Prerequisites and Core Requirements: Basic Level.

- Students must maintain a cumulative GPA of 2.5 in all course taken to meet Core Requirements: Advanced Level and Restricted Electives.
- All attempts of courses taken that could meet major requirements are included in the GPA calculation. Additional courses that could meet requirements but are taken beyond the minimum required (e.g., additional restricted electives) and a “C” (2.0) or better is earned are also included in both GPA calculations.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residency at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

Total Semester Hours Required 124

Honors In Major

- None

Related Programs

- Chemistry
- Forensic Science - Analysis Track
- Biomedical Sciences

Certificates

- None

Related Minors

- Chemistry
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for Transfer Courses
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 16 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1140C Pre-Calculus Algebra 3 hrs
- ENC 1101 Composition I 3 hrs
UCF Degree Programs

Full-Time Student: $90 per term
Part-Time Student: $45 per term

Equipment Fees

Outcomes) for undergraduate programs are located at:

Senior Year - Summer 4 hrs
CHM 2047 Chemistry Fundamentals II 3 hrs
CHM 2047L Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C General Physics Using Calculus I 4 hrs
MAC 2312 Calculus with Analytic Geometry I 4 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Sophomore Year - Summer 4 hrs
PHY 2049C General Physics Using Calculus II 4 hrs

Junior Year - Fall 14 hrs
CHS 3505C Forensic Microscopy 4 hrs
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
GEP 3 hrs

Junior Year - Spring 14 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr

Senior Year - Fall 16 hrs
CHS 3534 Forensic Biochemistry I 2 hrs
CHS 3534L Forensic Biochemistry I Laboratory 1 hr
BCH 4053 Biochemistry I 3 hrs
PCB 3522 Molecular Biology I 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
GEP 3 hrs

Senior Year - Spring 14 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
BCH 4054C Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs

Senior Year - Summer 4 hrs
CHS 4591 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521.
http://mlc.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirements consist of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs
   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list 3 hrs
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   1 FRE 1120C Elementary French Language and Civilization I 4 hrs
   1 FRE 1121C Elementary French Language and Civilization II 4 hrs
   1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
   1 FRE 2201 Intermediate French Language and Civilization II 3 hrs
   1 May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (21 hrs)
   FRW 3100 Survey of French Literature I 3 hrs
   1 FRE 3300 French Grammar 3 hrs
   1 FRE 3420 French Composition 3 hrs
   1 FRE 3760 Advanced French Oral Communication 3 hrs
   1 FRE 3780 French Phonetics and Diction 3 hrs
   Select 1: 3 hrs
   1 FRE 4421 Advanced French Conversation or 3 hrs
   FRE 4422 Advanced French Composition 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

216 Undergraduate Catalog 2016-2017
5. Restricted Electives (15 hrs)

- FRW course beyond the survey level (taught in French) 6 hrs
- Select any upper level FRE, FRT, or FRW courses not already used in the major.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions: Met by graduation requirements.
- Graduation: Met by Common Program Prerequisites
- Electives: Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

8. Additional Requirements

- None

9. Required Minors

- None

10. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student's French advisor and by the French Program Director.
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Spanish

Certificates

- None

Related Minors

- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 13 hrs
- ENC 1101 Composition I 3 hrs
- WOH 2012 World Civilization I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- FRE 1120C Elementary French Language and Civilization I 4 hrs

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- WOH 2022 World Civilization II 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- FRE 1121C Elementary French Language and Civilization II 4 hrs

Freshman Year - Summer 8 hrs
- FRE 2270 Intermediate French Study Abroad 8 hrs

Sophomore Year - Fall 12 hrs
- FRE 2200 Intermediate French Language and Civilization I 3 hrs
- LIT 2120 World Literature I 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- Science Foundation (Group 1) 3 hrs
- Science Foundation (Group 2) 3 hrs

Sophomore Year - Spring 12 hrs
- LIT 2120 World Literature I 3 hrs
- FRT 4552 Structural Analysis of Beckett's Watt 3 hrs
- Social Foundation (Group 2) 3 hrs
- Science Foundation (Group 2) 3 hrs

Sophomore Year - Summer 6 hrs
- Study Abroad 6 hrs

Junior Year - Fall 12 hrs
- FRE 3100 Survey of French Literature I 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 3300 French Grammar 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
- FRE 3780 Advanced French Oral Communication 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs
- Select 1: 3 hrs

Senior Year - Fall 12 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3440 Business French I 3 hrs
- Select 1: 3 hrs

Senior Year - Spring 12 hrs
- FRW 3370 Francophone Literature 3 hrs
- Select 1: 3 hrs
- FRW 3370 Francophone Literature 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alca/academic_learning_compacts.htm
Health Informatics and Information Management
(B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210

http://www.cohpa.ucf.edu/hmi/bshim.cfm
Dr. Alice M. Noblin, alice.noblin@ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions, and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
      Required CGS 1060C Introduction to Computers or
      Required CGS 2100C Computer Fundamentals for Business
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (17 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 ZOO 3733C Human Anatomy 4 hrs
   PCB 3703C Human Physiology 4 hrs
   STA 2014C Principles of Statistics GEP
   1 CGS 2100C Computer Fundamentals for Business 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   ACG 2021 Principles of Financial Accounting 3 hrs
   1 See Transfer Notes

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (66 hrs)
   HSA 3423 Health Law 3 hrs
   HSA 3170 Health Care Finance 3 hrs
   HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
   HSA 4191 Fundamentals of Health Information Technology 3 hrs
   HSA 4702 Health Sciences Research Methods 3 hrs
   HSC 3537 Medical Terminology 3 hrs
   HSC 2524 Introduction to Human Disease 3 hrs
   HIM 4624 Health Data Management 3 hrs
   HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
   HIM 3116C Health Record Organization and Management 4 hrs
   HIM 3806C Professional Practice Experience I 3 hrs
   HIM 4816C Professional Practice Experience II 3 hrs
   HIM 4226C Coding Procedures I 5 hrs
   HIM 4256C Coding Procedures II 3 hrs
   HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
   HIM 4344C Health Information Department Management 4 hrs
   HIM 4506C Quality Management 3 hrs
   HIM 4656C Health Information Management Systems 3 hrs
   HIM 4838 Management Affiliation 5 hrs
   Select 1: 3 hrs
   HIM 4180 Organization & Management for Health Agencies I or
   MAN 3025 Management of Organizations 3 hrs

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for graduation.
    - Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
- Health Services Administration
- Business Administration
- Computer Science
**UCF Degree Programs**

**Junior Year - Fall** 14 hrs
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social 3 hrs

**Freshman Year - Spring** 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

**Sophomore Year - Fall** 13 hrs
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

**Sophomore Year - Spring** 13 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs

**Junior Year - Fall** 15 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSC 3537 Medical Terminology 3 hrs
- HSC 2524 Introduction to Human Disease 3 hrs

**Select 1:** 3 hrs
- 1 MAN 3025 Management of Organizations or 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

**Junior Year - Spring** 15 hrs
- HIM 4626C Coding Procedures I 5 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4624 Professional Practice Experience II 3 hrs

**Junior Year - Summer** 6 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSA 3423 Health Law 3 hrs

**Senior Year - Fall** 13 hrs
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs

**Senior Year - Spring** 12 hrs
- HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
- HIM 4816C Professional Practice Experience II 3 hrs
- 1 HSA 4702 Health Sciences Research Methods 3 hrs
- 1 HSA 3170 Health Care Finance 3 hrs
- 2 HIM 4998 Internship Orientation 0 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.
2 Internship Orientation, 0 credit

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)

**Health Sciences - Pre-Clinical Track (B.S.)**

**College of Health and Public Affairs**

**Department of Health Professions,**
**Health and Public Affairs I, Room: 124**
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-0946

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a “C.”

1. **UCF General Education Program (GEP)** (38 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

   1 Required  MAC 1105C College Algebra 3 hrs
   1 Required  STA 2023 Statistical Methods I 3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

D: **Social Foundations** (6 hrs)
- Required  PSY 2022 General Psychology 3 hrs
E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
MAC 1114C College Trigonometry 3 hrs
BSC 2010C Biology I GEP
PSY 2012 General Psychology GEP
STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level (20 hrs)
PHY 2053C College Physics I 3 hrs
PHY 2054C College Physics II 4 hrs
HUN 2201 Fundamentals of Human Nutrition 3 hrs
HSC 2000 Introduction to the Allied Health Professions (3 hrs)

Select 1: 2 hrs
HSC 3111 Preventive Health Care 3 hrs
HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs
HSC 4008 Professional Development in Health Professions 3 hrs

1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
2 For freshman and sophomore students. The upper level HSC 4008 (3 hrs) can be used as a substitution as needed during the junior or senior years.

4. Core Requirements: Advanced Level (29 hrs)
HSC 3147 Introduction to Pharmacology 3 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 4555 Pathophysiology I 3 hrs
HSC 4562 Health Law and Ethics 3 hrs
HSC 4558 Pathophysiology II 3 hrs
HSC 4501 Epidemiology of Chronic Diseases 3 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
HSC 4730 Applied Health Research Methodology 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs

5. Restricted Electives (30 hrs)
- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program’s web site for updated information and suggested electives for specific Health Professions Graduate Programs.

- BCH 4053 Biochemistry I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3561 Disabilities in American Society 3 hrs
- HSC 3500 HIV Disease: A Human Concern 3 hrs
- HSC 3432 Occupational Safety for the Health Care 3 hrs
- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4805 Endocrinology 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- ATR 3312C Injury, Management, and Rehabilitation 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- SYO 4400 Medical Sociology 3 hrs
- ZOO 4743 Clinical Neuroanatomy and Neuroscience 4 hrs
- ZOO 4753V Vertebrate Histology 4 hrs
- HSC 4553 Concepts in Pathophysiological Diagnosis 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences-Pre-Clinical Track.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 120

Honors in Major
- Interested students should consult with a faculty advisor
Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness
Certificates
- None
Related Minors
- Biology
- Business
- Chemistry
- Education
UCF Degree Programs

Freshman Year - Fall 15 hrs

BSC 2010C Biology I 4 hrs
MAC 1105C College Algebra 3 hrs
ENC 1101 Composition I 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs
GEP Communication 3 hrs

Freshman Year - Spring 16 hrs

ENC 1102 Composition II 3 hrs
PSY 2012 General Psychology 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
STA 2023 Statistical Methods I 3 hrs
GEP Cultural 3 hrs

Sophomore Year - Fall 14 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004 Developmental Psychology 3 hrs
ZOO 3733C Human Anatomy 4 hrs
GEP Historical 3 hrs

Sophomore Year - Spring 16 hrs

PCB 3703C Human Physiology 4 hrs
HUN 2201 Fundamentals of Human Nutrition 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
MAC 1114C College Trigonometry 3 hrs
GEP Historical 3 hrs

Junior Year - Fall 16 hrs

PHY 2053C College Physics I 4 hrs
HSC 4555 Pathophysiology I 3 hrs
HSC 3211 Preventive Health Care 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
GEP Social 3 hrs

Junior Year - Spring 16 hrs

PHY 2054C College Physics II 4 hrs
HSC 4556 Pathophysiology II 3 hrs
HSC 4501 Epidemiology of Chronic Diseases 3 hrs
Restricted Elective 3 hrs

Select 1 3 hrs

HSC 4730 Applied Health Research Methodology or 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs

Senior Year - Fall 15 hrs

Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs

Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Health Services Administration (B.S.)

Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hml/
Email: hsainfo@ucf.edu

Philip Wessel, MHA, Undergraduate Program Director,
hsainfo@ucf.edu
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. Students in this major are required to have an overall GPA or 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in Health Services Administration as those programs require a GPA of at least 3.0 for admission.

Admission Requirements

None
Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.
UCF Degree Programs

- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.
- Students must achieve at least 2.5 overall GPA for graduation.
- Satisfactory completion of HSA 4850 Internship

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1:
- Required CGS 1060C Introduction to Computers or CGS 2100C Computer Fundamentals for Business

D: Social Foundations (6 hrs)
- Required ECO 2023 Principles of Microeconomics

E: Science Foundations (6 hrs)
- Required ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (9 hrs)

- Students must earn a “C” (2.0) or better in each Common Program Prerequisite
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- Required CGS 2100C Computer Fundamentals for Business or CGS 1060C Introduction to Computers

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (48 hrs)

- Students must earn a “C” (2.0) or better in each Core Requirement

HSA 3104 Health Services Administration Cornerstone 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSA 3170 Health Care Finance 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
HSA 3430 Health Care Economics 3 hrs
HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
HSC 4201 Community Health 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 4500 Epidemiology 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HSA 4191 Fundamentals of Health Information Technology 3 hrs
HSA 4850 Health Services Administration Internship 3 hrs
HSA 4853 Internship Orientation 0 hrs

1 Course must be completed no more than one semester prior to HSA 4850.

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- HSA 4939 Health Services Administration Capstone 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. Electives
- Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
- As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. In order to participate in the HSA Internship the student must: 1) Have earned at least 90 Credit Hours prior to the start of the semester in which the internship begins; 2) Have earned at least 24 HSA Credit Hours prior to the start of the semester in which the internship begins; 3) Have a Major GPA of 2.75 prior the start of the semester in which the internship begins. Additionally, many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must earn a “C” (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

- Total Semester Hours Required 120

Honors In Major
- Interested students should consult with a faculty advisor.

Related Programs
- Public Administration
- Health Informatics and Information Management

Certificates
- Aging Studies
### University of Central Florida

**UCF Degree Programs**

#### Related Minors
- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

#### Advising Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities is available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

#### Transfer Notes
- None

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP Communication 3 hrs
- GEP Science 3 hrs
- GEP Cultural 3 hrs

#### Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- GEP Science 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs

#### Sophomore Year - Summer
- Select 1: 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs
- Select 1: 3 hrs
  - Free Elective 3 hrs
  - 1 Foreign Language 4 hrs

#### Junior Year - Fall
- HSA 3104 Health Services Administration Cornerstone 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs

#### Junior Year - Spring
- HSA 3170 Health Care Finance 3 hrs
- HSC 4500 Epidemiology 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- Elective / Minor 3 hrs

#### Senior Year - Fall
- HSA 3430 Health Care Economics 3 hrs
- HSA 4184 Organization & Management for Health Agencies II 3 hrs
- HIM 4508C Quality Management 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- Free Elective 3 hrs
- GEP 4853 Internship Orientation 0 hrs

#### Senior Year - Spring
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSC 4552 Health Law and Ethics 3 hrs
- HSA 4939 Health Services Administration Capstone 3 hrs
- HSA 4850 Health Services Administration Internship 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### History (B.A.)

#### College of Arts and Humanities

#### Department of History, Colbourn Hall, Room: 551

**Email:** history@ucf.edu

**Phone:** 407-823-2225

#### History (B.A.)

**Admission Requirements**
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. **UCF General Education Program (GEP)**
   - **Communication Foundations** (9 hrs)
   - **Cultural & Historical Foundations** (9 hrs)
   - **Mathematical Foundations** (6 hrs)
   - **Math:**
     - Suggested MGF 1106 Finite Mathematics
     - Suggested MGF 1107 Explorations in Mathematics
     - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

#### Statistics - Computers:
- Select a course from GEP C.2 list 3 hrs

#### Social Foundations
- **D:** (6 hrs)
  - Required AMH 2010 U.S. History: 1492-1877 3 hrs
  - Select one course from B.1 list 3 hrs
  - Select one course from B.2 list 3 hrs

#### E: Science Foundations
- **E:** (6 hrs)
  - AMH 2010 U.S. History: 1492-1877 GEP
  - AMH 2020 U.S. History: 1877-Present GEP

---

**UNIVERSITY OF CENTRAL FLORIDA**

**223** Undergraduate Catalog 2016-2017
UCF Degree Programs

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- WOH 2012 World Civilization I 3 hrs
- WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)
- Select six hours of approved history courses within three of four geographic regions
  - Asian, African, and Middle Eastern 6 hrs
  - British and European 6 hrs
  - Latin American 6 hrs
  - U.S. and Canadian 6 hrs
- Select three hours of approved history courses

6. Capstone Requirements
- HIS 4959 History Portfolio 0 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses attempted.
- Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities

Certificates
- None

Related Minors
- African - American Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- AMH 2010 U.S. History: 1492-1877 3 hrs may be substituted with:
- AMH 2020 U.S. History: 1877-Present 3 hrs

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall
- HIS 4150 History and Historians 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Senior Year - Spring 13 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu,
407-903-8177
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
None

Degree Requirements
Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs
Required STA 2023 or CGS 2100C 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Required ECO 2023 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
Required ECO 2023 or ECO 2023 3 hrs

Select 1: 3 hrs
Required PSY 2100 General Psychology or PSY 2100 3 hrs
Required SYG 2000 Introduction to Sociology or SYG 2000 3 hrs
Required ANT 2000 General Anthropology or ANT 2000 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (40 hrs)
Hospitality Management Core 40 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
HFT 3224 Hospitality Management & Leadership Fundamentals 3 hrs
HFT 4468 Revenue Management in the Hospitality Industry 3 hrs

Quantitative Tools
MAC 1105C College Algebra GEP
Select 1:
CGS 2100C Computer Fundamentals for Business or ECO 2014 Principles of Macroeconomics 3 hrs
STA 2023 Statistical Methods I or ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Microeconomics 3 hrs

4. Core Requirements: Advanced Level (18 hrs)
HFT 2254 Lodging Operations 3 hrs
HFT 3263 Restaurant Management 3 hrs

Sectoral Core 12 hrs
Select 3: 9 hrs
HFT 3700 Tourism Management or HFT 2750 The Event Industry or HFT 3273 Principles of Resort Timesharing or HFT 4755 Theme Park and Attraction Management or HFT 4277 Club Management or HFT 3944 Internship III or HFT 4941 Internship II or HFT 4944 Internship III or HFT 3654 Hospitality Franchising or HFT 3741 Meeting Management or HFT 3770 Cruise Line Operations and Management or HFT 3798 Fairs and Festivals or HFT 3868 History and Culture of Wine or HFT 4065 Fine Spirits Management or HFT 4253 Advanced Lodging Operations or HFT 4266 Hospitality Brand Management or HFT 4274 Resort Management or HFT 4343 Hospitality Facilities Management or HFT 4358 Golf & Club Facility Design or HFT 4432 Hospitality Industry Auditing or HFT 4473 Hospitality and Tourism Development or HFT 4522 Resort Sales Tactics and Strategies or HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry or HFT 4561 Destination Marketing or HFT 4614 Risk Management in Theme Parks and Attractions or HFT 4735 Tourism Geography or HFT 4736 Destination Management or HFT 4754 Exhibit and Trade Show Operations or HFT 4759 Product Development in Theme Parks and Attractions or HFT 4762 Current Practices in the Airline Industry or HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry or HFT 4758 Operational Issues in the Theme Park and Attraction Industry or HFT 4795 Entertainment Arts and Events or HFT 4796 International Events or HFT 4864 Seminar in Quality Brewing and Fine Beer or

5. Restricted Electives (15 hrs)
Students must take 15 credit hours (five courses) from the following:
FSS 3008 Culture and Cuisine 3 hrs
FSS 4286C Catering and Banquet Organization 3 hrs
HFT 3353 Golf Planning & Operations I 3 hrs
HFT 3354 Agronomy for Golf Course Management 3 hrs
HFT 3355 Golf Planning & Operations II 3 hrs
HFT 3357 Club Event Operations 3 hrs
HFT 3384 Club Enterprise Management 3 hrs
HFT 3654 Hospitality Franchising 3 hrs
HFT 3741 Meeting Management 3 hrs
HFT 3770 Cruise Line Operations and Management 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 3868 History and Culture of Wine 3 hrs
HFT 4065 Fine Spirits Management 3 hrs
HFT 4253 Advanced Lodging Operations 3 hrs
HFT 4266 Hospitality Brand Management 3 hrs
HFT 4274 Resort Management 3 hrs
HFT 4343 Hospitality Facilities Management 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs
HFT 4432 Hospitality Industry Auditing 3 hrs
HFT 4473 Hospitality and Tourism Development 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs
HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4561 Destination Marketing 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
HFT 4735 Tourism Geography 3 hrs
HFT 4736 Destination Management 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4758 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4796 International Events 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
UCF Degree Programs

Golf and Club Management Track 15 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
Theme Park and Attraction Management Track 15 hrs
HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
HFT 4758 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs

Golf and Club Management Track 15 hrs
HFT 3353 Golf Planning & Operations I or 3 hrs
HFT 3354 Agronomy for Golf Course Management or 3 hrs
HFT 3355 Golf Planning & Operations II or 3 hrs
HFT 3357 Club Event Operations or 3 hrs
HFT 3384 Club Enterprise Management or 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs

Lodging Management Track 15 hrs
HFT 3654 Hospitality Franchising or 3 hrs
HFT 4253 Advanced Lodging Operations or 3 hrs
HFT 4266 Hospitality Brand Management or 3 hrs
HFT 4274 Resort Management or 3 hrs
HFT 4343 Hospitality Facilities Management or 3 hrs
HFT 4473 Hospitality and Tourism Development or 3 hrs
HFT 4522 Resort Sales Tactics and Strategies 3 hrs

Professional Tennis Management 15 hrs
HFT 3357 Club Event Operations 3 hrs
HFT 3384 Club Enterprise Management 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations I 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1605 Introduction to Computers or 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations II 3 hrs
Select 1: 3 hrs
CGS 1060C Introduction to Computers or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2750 The Event Industry or 3 hrs
HFT 2254 Lodging Operations 3 hrs
Science Foundations I 3 hrs
Free Elective 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring 16 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
Science Foundations II 3 hrs
Cult/Hist. Foundations III 3 hrs
Free Elective 3 hrs
FSS 2221C Techniques of Food Preparation 4 hrs
### Human Communication (B.A.)

**College of Sciences**

Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

Dr. Jim Katt, Area Coordinator, jamiel.katt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs (other than from COM Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**A: Communication Foundations (9 hrs)**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

**Select 1:**

- Required SPC 1608 Fundamentals of Oral Communication or GEP 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

#### C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Statistics:**

- Required STA 1063C Basic Statistics Using Microsoft Excel or GEP 3 hrs
- Required STA 2014C Principles of Statistics GEP 3 hrs

#### Math:

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication or GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Speech**

- Required SPC 1608 Fundamentals of Oral Communication or GEP 3 hrs
- Required SPC 1603C Fundamentals of Technical Presentations GEP 3 hrs

**Statistics:**

- Required STA 1063C Basic Statistics Using Microsoft Excel or GEP 3 hrs
- Required STA 2014C Principles of Statistics GEP 3 hrs

**Computer Science:**

- Required CGS 1060C Introduction to Computers or 3 hrs
- Required CGS 2100C Computer Fundamentals for Business or 3 hrs
- Required CGS 2585C Desktop/Internet Publishing or 3 hrs
- Required CGS 3175 Internet Applications or 3 hrs

#### 4. Core Requirements: Advanced Level (12 hrs)

**Select 1:**

- COM 3011C Communication and Human Relations or 3 hrs
- COM 3003 Exploring Human Communication or 3 hrs

**Take all of the following:**

- COM 3120 Organizational Communication and 3 hrs
- COM 3311 Communication Research Methods and 3 hrs
- SPC 3301 Interpersonal Communication or 3 hrs

#### 5. Restricted Electives (27 hrs)

**Internal Restricted Electives:**

- Required SPC 4941 Internship or 3 hrs
- Required COM 4906 Directed Independent Study or 3 hrs
- Required SPC X949 Coop or 3 hrs
- Required COM X949 Coop or 3 hrs

**Select 1:**

- Required ENC 3315 Argumentative Writing or 3 hrs
- Required ENC 3311 Essay as Cultural Commentary or 3 hrs
- Required ENC 3250 Professional Writing or 3 hrs
- Required ENC 3314 Writing and Rhetoric Foundations or 3 hrs
- Required ENC 3241 Writing for the Technical Professional or 3 hrs
- Required ENC 3241 Writing for the Technical Professional or 3 hrs
- Required ENC 3241 Writing for the Technical Professional or 3 hrs
- Required ENC 3241 Writing for the Technical Professional or 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4906</td>
<td>Directed Independent Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC X949</td>
<td>Coop</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM X949</td>
<td>Coop</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- Required ENC 3315 Argumentative Writing or 3 hrs
- Required ENC 3311 Essay as Cultural Commentary or 3 hrs
- Required ENC 3250 Professional Writing or 3 hrs
- Required ENC 3314 Writing and Rhetoric Foundations or 3 hrs
- Required ENC 3241 Writing for the Technical Professional or 3 hrs

Other upper division COM or SPC courses with prior approval of department advisor.
UCF Degree Programs

External Restricted Electives  6 hrs
- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives
- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Human Communication
- Mass Communication

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu

Freshman Year - Fall 13 hrs
ENC 1101  Composition I  3 hrs
GEP-Math  3 hrs
GEP  3 hrs
Foreign Language  4 hrs

Freshman Year - Spring 13 hrs
ENC 1102  Composition II  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
STA 2014C  Principles of Statistics  3 hrs
Foreign Language  4 hrs

Sophomore Year - Fall 15 hrs
Core-Computer Science  3 hrs
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs
Elective (Consider a minor)  3 hrs

Sophomore Year - Spring 15 hrs
COM 3311  Communication Research Methods  3 hrs

Select 1: 3 hrs
- COM 3011C  Communication and Human Relations or
- COM 3003  Exploring Human Communication
- GEP
- GEP
- GEP
- Elective (Consider a minor)

Junior Year - Fall 15 hrs
SPC 3361  Interpersonal Communication  3 hrs
COM 3120  Organizational Communication  3 hrs
Restricted Elective  3 hrs
Elective (Consider a minor)  3 hrs
GEP  3 hrs

Junior Year - Spring 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Elective (Consider a minor)  3 hrs
Elective (Consider a minor)  3 hrs
External Restricted Elective  3 hrs

Junior Year - Summer 9 hrs
Restricted Elective-Internship  3 hrs
Elective (Consider a minor)  3 hrs
Elective (Consider a minor)  3 hrs

Senior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Elective (Consider a minor)  3 hrs
Elective (Consider a minor)  3 hrs
Elective (Consider a minor)  3 hrs

Senior Year - Spring 10 hrs
Restricted Elective  3 hrs
Elective (Consider a minor)  3 hrs
Elective (Consider a minor)  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
The B.A. degree in Humanities and Cultural Studies enables students to receive solid foundations in the interdisciplinary study of cultures and meanings. Students study how human cultures have produced meaning in the past and continue to do so, reflect critically on these productions, and learn relevant perspectives and meaningful interpretations that contribute to responsible engagement with the many cultural expressions we encounter today. Students conduct relevant research in the Humanities while developing their own skills of critical evaluation and constructive engagement.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required
   HUM 2020 Encountering the Humanities 3 hrs
   Select 1: 3 hrs
   HUM 2210 Humanistic Tradition I or 3 hrs
   HUM 2230 Humanistic Tradition II 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Required
   HUM 2210 Humanistic Tradition I or 3 hrs
   Select 1: 3 hrs
   PHI 2010 Introduction to Philosophy or 3 hrs
   REL 2300 World Religions 3 hrs
   C: Mathematical Foundations (6 hrs)
   Math 6 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

2. Statistics-Computers 3 hrs
   Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
   Suggested AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (6 hrs)
   HUM 2020 Encountering the Humanities GEP
   Select 1
   PHI 2010 Introduction to Philosophy or 3 hrs
   REL 2300 World Religions GEP
   Select 1
   HUM 2210 Humanistic Tradition I or 3 hrs
   HUM 2230 Humanistic Tradition II GEP
UCF Degree Programs

Honors In Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are as follows:

a. Core Requirements, Humanities and Cultural Studies, and Capstone
- Same requirements as for regular majors

b. Honors Thesis
- 6 hrs
  - HUM 4903H Honors Directed Reading I, 3 hrs
  - HUM 4970H Undergraduate Honors Thesis, 3 hrs

c. Additional Requirements of Honors in the Major
- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No more than 2 courses of 3000 or 4000 level courses applied to the B.A. in Humanities and Cultural Studies may be simultaneously applied to fulfill another major.
- Earn a "B" (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I, 3 hrs
  - HUM 4970H Undergraduate Honors Thesis, 3 hrs

Related Programs
- Philosophy
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Digital Humanities
- Philosophy
- Religion and Cultural Studies
- Cognitive Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- Students in the Industrial Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Industrial Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I, 3 hrs
- Required ENC 1102 Composition II, 3 hrs
- Preferred SPC 1603C Fundamentals of Technical Presentations, 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations, 6 hrs
- Select one course from Cultural Foundations, 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I, 4 hrs
- Required STA 3032 Probability and Statistics for Engineers, 3 hrs

D: Social Foundations (6 hrs)
- Select one course from Social Foundations, 3 hrs
- Preferred ECO 2013 Principles of Macroeconomics, 3 hrs
- Preferred ECO 2023 Principles of Microeconomics, 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C General Physics Using Calculus I, 4 hrs
- Select one course from Science Foundations, 3 hrs

Industrial Engineering (B.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
Phone: 407-823-2204

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a "C" (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

UNIVERSITY OF CENTRAL FLORIDA
2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- 1 MAC 2311C Calculus with Analytic Geometry I GEP
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 1 MAP 2302 Ordinary Differential Equations I 3 hrs
- 1 PHY 2048C General Physics Using Calculus I GEP
- 1 PHY 2049C General Physics Using Calculus II 4 hrs

Select 1:
- 2 CHS 1440 Principles of Chemistry or 4 hrs
- 1 CHM 2045C Chemistry Fundamentals I 4 hrs

A 2.0 cumulative GPA or better is required for this course.

2 Prefered

3. Core Requirements: Basic Level (2 hrs)

Engineering Core: Basic

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 100TC Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)

Courses Required for the Major

59 hrs

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a “C” (2.0) GPA or better in all courses in this section with a prefix of EIN, EGS, ESI, STA and MAS.

- EGS 4624 Engineering Innovation and Leadership 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EIN 3314 Work Analysis and Design 3 hrs
- ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
- EIN 4234C Introduction to Programming with C 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523 Systems Simulation 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- EGN 3310C Engineering Analysis-Statics 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EIN 2002 Introduction to Industrial Engineering and Management Systems 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

Select 1:
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
- EGN 3343 Thermodynamics 3 hrs

Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

5. Restricted Electives (6 hrs)

- Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements (4 hrs)

- EIN 4891C Industrial Engineering Senior Design Project 4 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Mechanical Engineering

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to area 5. Restricted Electives.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- Tentative Course Schedule for Entering Freshmen:
  The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs

Freshman Year - Summer 9 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
Select 1 3 hrs
SPC 1603C  Fundamentals of Technical Presentations 3 hrs
SPC 1608  Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 14 hrs
MAC 2313  Calculus with Analytic Geometry III 4 hrs
STA 3032  Probability and Statistics for Engineers 3 hrs
EIN 2002  Introduction to Industrial Engineering and Management Systems 1 hr
GEP 3 hrs
EGN 3310  Engineering Analysis-Statics 3 hrs

Sophomore Year - Spring 13 hrs
MAP 2302  Ordinary Differential Equations I 3 hrs
EGN 3321  Engineering Analysis-Dynamics 3 hrs
MAS 3105  Matrix and Linear Algebra 4 hrs
EIN 3351  Engineering Economic Analysis and Cost Engineering 3 hrs

Sophomore Year - Summer 10 hrs
GEP 6 hrs
PHY 2049C  General Physics Using Calculus II 4 hrs

Junior Year - Fall 12 hrs
EIN 3314  Work Analysis and Design 3 hrs
ESI 4312  Operations Research 3 hrs
EGN 4628  Decision Support Systems for Industrial Engineers 3 hrs
EGN 3373  Principles of Electrical Engineering 3 hrs

Junior Year - Spring 12 hrs
ESI 4523  Systems Simulation 3 hrs
EIN 4333  Production and Distribution Systems 3 hrs
EIN 4364  Facilities Planning 3 hrs
EGN 4243  Human Resource Management Systems 3 hrs

Junior Year - Summer 9 hrs
GEP 3 hrs
EGN 3343  Thermodynamics 3 hrs

Senior Year - Fall 12 hrs
Approved Technical Elective 3 hrs
EIN 4391  Manufacturing Engineering 3 hrs
ESI 4234  Quality Engineering 3 hrs
ESI 4221  Empirical Methods for Industrial Engineering 3 hrs

Senior Year - Spring 13 hrs
EIN 4891C  Industrial Engineering Senior Design Project 4 hrs
Approved Technical Elective 3 hrs
EGS 4624  Engineering Innovation and Leadership 3 hrs
EIN 4517  Systems Engineering 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $38 per term
Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu/
Email: undergraduate@cs.ucf.edu
Dr. Ali Orooji
Jenny Shen
Julie Faris
Phone: 407-823-2341

Admission Requirements
None
## Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

---

### 3. Core Requirements: Basic Level

- None

### 4. Core Requirements: Advanced Level (52 hrs)

- A "C" (2.0) or better is required in all these courses.

### Core Requirements 46 hrs

- **MAD 3104**: Foundations of HCI - 3 hrs
- **CAP 3003**: Fundamentals of Information Technology - 3 hrs
- **CIS 3003**: Introduction to Programming with C - 3 hrs
- **CIS 4275**: Database Concepts - 3 hrs
- **CGS 3269**: Operating System Concepts - 3 hrs
- **CNT 3703**: System Administration and Maintenance - 3 hrs
- **PHY 2053C**: College Physics I - 4 hrs
- **PHY 2054C**: College Physics II - 4 hrs
- **CIS 1103**: Introduction to Information Technology - 3 hrs
- **CIS 1203**: Introduction to Programming in Java - 3 hrs
- **COP 3223**: Introduction to Programming with C - 3 hrs
- **COP 3330**: Object Oriented Programming - 3 hrs
- **COP 3502C**: Computer Science I - 3 hrs
- **COT 3100C**: Introduction to Discrete Structures - 3 hrs
- **MAC 1114C**: Pre-Calculus Algebra - 3 hrs
- **MAC 1140C**: Pre-Calculus Algebra - 3 hrs
- **MAC 2233**: Calculus with Analytic Geometry - 3 hrs

### Support Courses 6 hrs

- A "C" (2.0) or better is required in all these courses.

#### Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4293</td>
<td>Documentation and the Collaborative Process or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4265</td>
<td>Writing for the Computer Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4414</td>
<td>Writing and Hypertext or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415</td>
<td>Digital Rhetorics and The Modern Dialectic or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4298</td>
<td>Technical Communication for the Virtual Workplace or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4416</td>
<td>Writing in Digital Environments or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4262</td>
<td>Technical Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4215</td>
<td>Technical Publication and Project Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (6 hrs)

- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs. CGS 4941 can be used as a restricted elective.
- A "C" (2.0) or better is required in all these courses.

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

### Graduation

- None

### 8. Electives

- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

### 9. Additional Requirements

- An "S" grade is required in all these courses.

### Major specific support courses 1 hr

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 3990</td>
<td>IT Career and Academic Advising I</td>
<td>0 hrs</td>
</tr>
<tr>
<td>CIS 4991</td>
<td>IT Career and Academic Advising II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>CIS 3921</td>
<td>Careers in IT</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- None

### Related Programs

- Computer Engineering
- Computer Science

### Certificates

- None

### Related Minors

- Computer Science
- Secure Computing and Networks

### Advising Notes

- None

### Transfer Notes

- Grades below "C" (2.0) are not accepted
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit.
- The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

#### Freshman Year - Fall 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C</td>
<td>Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1146C</td>
<td>Pre-Calculus Algebra</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Freshman Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1114C</td>
<td>College Trigonometry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 2545C</td>
<td>Database Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3269</td>
<td>Computer Architecture Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3003</td>
<td>Fundamentals of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3921</td>
<td>Careers in IT</td>
<td>1 hr</td>
</tr>
<tr>
<td>CIS 3990</td>
<td>IT Career and Academic Advising I</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 3104</td>
<td>Foundations of HCI</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CIS 3303</td>
<td>Computer Network Concepts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3250</td>
<td>Professional Writing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4524</td>
<td>Managing IT Integration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 3763</td>
<td>Operating System Concepts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

---

**UNIVERSITY OF CENTRAL FLORIDA**

---

233 Undergraduate Catalog 2016-2017
Select 1:  
ENC 4265 Writing for the Computer Industry or 3 hrs
ENC 4293 Documentation and the Collaborative Process or 3 hrs
ENC 4414 Writing and Hypertext or 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic or 3 hrs
ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
ENC 4416 Writing in Digital Environments or 3 hrs
ENC 4262 International Technical Communication or 3 hrs
ENC 4215 Technical Publication and Project Management or 3 hrs

Senior Year - Fall  15 hrs
CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
CIS 4004 Web-Based Information Technology 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
CNT 4603 System Administration and Maintenance 3 hrs
CIS 4991 IT Career and Academic Advising II 0 hrs

Senior Year - Spring  13 hrs
Restricted Elective 3 hrs
Free Elective 4 hrs
COP 4910 Frontiers in Information Technology 3 hrs
CNT 4714 Enterprise Computing 3 hrs

Integrated Business (B.S.B.A.)  
College of Business Administration  
Integrated Business Program,  
Business Administration II, Room: 222

http://business.ucf.edu/undergraduate-programs
Phone: 407-823-5627

The Integrated Business (IB) degree is intended to develop a strong business “generalist” who has the ability and capacity to enter the workforce with a broad understanding of business and strong analytical, communication, and critical thinking skills. The program focuses on issues faced by small and medium size, privately held firms. Not eligible for a double degree or double major with another College of Business Administration major.

Admission Requirements  
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.

Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Students in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

- Students majoring in Integrated Business must earn a grade of “C” (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

1. UCF General Education Program (GEP)  36 hrs
A: Communication Foundations  9 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations  9 hrs
- Required CGS 2100C Computer Fundamentals for Business
- Required MAC 1105C College Algebra

C: Mathematical Foundations  6 hrs
- Required ECO 2023 Principles of Macroeconomics or
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:  3 hrs
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

D: Social Foundations  6 hrs
- Required ECO 2023 Principles of Macroeconomics or
- Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1:  3 hrs
- Suggested MAC 2333 Concepts of Calculus and STA 2023 Statistical Methods I or 3 hrs

1 Or MAC 2311 and MAC 2312

2. Common Program Prerequisites (CPP)  18 hrs
- Must be completed with a “C” (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:  
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs

or
- 1MAC 2333 Concepts of Calculus and STA 2023 Statistical Methods I or 3 hrs

1 Or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level  
- None

4. Core Requirements: Advanced Level  52 hrs
Primary Core  15 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
Secondary Core 13 hrs
GEB 3003 Career Research & Planning 1 hr
GEB 3005 Career Search Strategy 1 hr
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3375 Introduction to International Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major 24 hrs
GEB 4522 Data Driven Decision Making 3 hrs
GEB 4513 Applied Business Technologies 3 hrs
MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
GEB 3031 Integrated Business Foundations 3 hrs
MAR 3407 Contemporary Selling 3 hrs
ENT 4412 Managing Small Business Finances 3 hrs
ECP 4703 Managerial Economics 3 hrs
MAN 4583 Project Management 3 hrs

5. Restricted Electives 3 hrs
Take one class from the list below.
GEB 4941 Internship 3 hrs
ENT 3613 Creativity and Entrepreneurship 3 hrs
GEB 4194 Small Business Development 3 hrs

6. Capstone Requirements 3 hrs
Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives Variable

9. Additional Requirements None

10. Required Minors None

11. Departmental Exit Requirements
A minimum major GPA and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major None
Related Programs None
Certificates None
Related Minors None
Advising Notes
Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
Lower division courses do not substitute for upper division courses.
Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.
Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
General electives as required to earn 120 credit hours.

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Science 3 hrs
Historical Foundation I 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Junior Year - Fall 16 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 13 hrs
GEB 3031 Integrated Business Foundations 3 hrs
MAN 3302 Essentials of Human Resource Management for Integrated Business 3 hrs
GEB 4513 Applied Business Technologies 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3005 Career Search Strategy 2 hrs
Elective 1 hr
UCF Degree Programs

Senior Year - Fall 16 hrs
- GEB 3375 Introduction to International Business 3 hrs
- ENT 4412 Managing Small Business Finances 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAR 3407 Contemporary Selling 3 hrs
- GEB 4522 Data Driven Decision Making 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
- ECP 4703 Managerial Economics 3 hrs
- MAN 4720 Strategic Management 3 hrs
- MAN 4583 Project Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- IB Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are a limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.
The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.

Total Semester Hours Required

- 120

Interdisciplinary Studies - Environmental Studies

Track (B.S.)

C of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom I, Room: 302

http://www.is.ucf.edu

Email: is@ucf.edu

Phone: 407-823-0144

The program requires the completion of 120 semester hours of credit, including a 36-hour general education program. Students must complete 18 hours in one concentration. Each concentration requires a minimum of 18 credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.

Advising Notes

- None

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

1 Required MAC 1105C College Algebra 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

1 may take a higher level math

D: Social Foundations (6 hrs)

Required SYG 2000 Introduction to Sociology 3 hrs

Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (11 hrs)

- Core for Environmental Studies:

**Physical/Mathematical Sciences**

- CHM 2045C Chemistry Fundamentals I GEP

- MAC 1105C College Algebra GEP

- STA 2023 Statistical Methods I GEP

**Select one of the following** 3 hrs

- GLY 2030 Environmental Geoscience 3 hrs

- PHY 1038 Physics of Energy and the Environment 3 hrs

- PSC 1121 Physical Science 3 hrs

**Life Sciences**

- BSC 2010C Biology I GEP

- BSC 2011C Biology II 4 hrs

- PCB 3044 Principles of Ecology 3 hrs

- PCB 3044L Principles of Ecology Laboratory 1 hr

**Social Science & Humanities**

- SYG 2000 Introduction to Sociology GEP

- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

- Environmental Studies Fundamentals

- IDS 3150 Foundations of Environmental Studies 3 hrs

- ECP 3302 Economics and the Environment 3 hrs

- GIS 3043C GIS for Environmental Studies 3 hrs

- GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs

- PUP 3203 Environmental Politics 3 hrs

- SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)

- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

- Select eighteen hours in one concentration.
Science Concentration
- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
  - BCH 4053  Biochemistry I  3 hrs
  - BCH 4054  Biochemistry II  3 hrs
  - BOT 3152C  Local Flora  3 hrs
  - BOT 3802  Ethnobotany  3 hrs
  - BOT 4303C  Plant Kingdom  5 hrs
  - BOT 4713C  Plant Taxonomy  5 hrs
  - BSC 4312C  Advanced Marine Biology  4 hrs
  - CHM 3120  Analytical Chemistry  3 hrs
  - OCE 3008  Oceanography  3 hrs
  - PCB 3063  Genetics  3 hrs
  - PCB 3442  Aquatic Ecology  3 hrs
  - PCB 4683  Evolutionary Biology  4 hrs
  - PCB 4723  Animal Physiology  4 hrs
  - PCB 5045  Conservation Biology  4 hrs
  - PCB 5326C  Ecosystems of Florida  5 hrs

Values, Planning, & Policy Concentration
- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
  - ANT 3541  Biobehavioral Anthropology  3 hrs
  - BOT 3802  Ethnobotany  3 hrs
  - ECP 4303  Environmental and Natural Resource Economics  3 hrs
  - ENC 3241  Writing for the Technical Professional  3 hrs
  - ENC 4360  Nature Writing  3 hrs
  - INR 4351  International Environmental Law  3 hrs
  - PAD 3330  Urban and Regional Planning  3 hrs
  - PAD 4351  Issues in Environmental Program  3 hrs
  - Management
  - PHI 3033  Philosophy, Religion, and the Environment  3 hrs
  - PHI 3640  Environmental Ethics  3 hrs
  - PHI 4400  Philosophy of Science  3 hrs
  - PHI 4633  Ethics and Biological Science  3 hrs
  - PHM 4031  Environmental Philosophy  3 hrs
  - PLA 4554  Environmental Law  3 hrs
  - PUP 3204  Sustainability  3 hrs
  - PUP 4209  Urban Environmental Policy  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation
- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with adviser approval

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core.
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates
- None

Related Minors
- All minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

International and Global Studies (B.A.)

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu

Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Most courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major/dual degree policy in Political Science programs and minors:
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>
Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course.

POS 2041 American National Government 3 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Prefer ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer WOH 2012 World Civilization I 3 hrs
Prefer WOH 2022 World Civilization II 3 hrs
Required One course from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

Math:
Select from the following listing:

- MGF 1106 Finite Mathematics or 3 hrs
- MGF 1107 Explorations in Mathematics or 3 hrs
May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics:
Select from the following listing:

- STA 2014C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
May substitute a more advanced STA course.

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs
Required One course from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (6 hrs)

- ECO 2013 Principles of Macroeconomics 3 hrs
- POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)

- CPO 3103 Comparative Politics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 4603 International Relations Theory 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs
- POS 4961 Exit Exam 0 hrs

5. Restricted Electives (18 hrs)

- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with departmental approval.

Regional 9 hrs

Select from the following listing:

- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3104 Politics of Western Europe 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4101 Politics of the European Union 3 hrs
- CPO 4123 Government and Politics of Great Britain 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 4514 Politics of East Asia 3 hrs
- CPO 4553 Politics of Japan 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 3250 Politics of Pan-Africanism 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs

Functional 9 hrs

Select from the following listing:

- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 4062 Comparative Judicial Process 3 hrs
- CPO 4074 Political Economy 3 hrs

- CPO 4731 Politics of Democratization 3 hrs
- CPO 4754 Comparative Political Institutions 3 hrs
- INR 3016 Global Political Issues 3 hrs
- INR 4011 Politics of Globalization 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4054 Global Politics of Energy 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- INR 4102 American Foreign Policy 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4115 Strategic Weapons and Arms Control 3 hrs
- INR 4304 Issues in International Public Policy 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4351 International Environmental Law 3 hrs
- INR 4364 The Intelligence Community 3 hrs
- INR 4401 International Law 3 hrs
- INR 4404 Space Law 3 hrs
- INR 4502 International Organizations 3 hrs
- INR 4714 Politics of International Trade Policy 3 hrs
- INR 4744 Militaries in World Politics 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
- INR 4765 Emerging Space Powers 3 hrs
- INR 4774 Military Space Policy 3 hrs
- INR 4941 Internship 3 hrs
- POS 3733 Designing Political Science Research 3 hrs
- PUP 4503 Government and Science 3 hrs
- PUP 4510 Space Policy 3 hrs

1 A maximum of 3 hours of Internship can be used.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements

- None

10. Required Minors

- No more than one course may be used to fulfill both this major and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Latin American Studies, or Spanish.

- Note: The International Business Minor is only available to Business majors.
UCF Degree Programs

- Other minors may be substituted with the program coordinator’s approval.
- Aerospace Studies
- Anthropology in Multicultural Studies
- Asian Studies
- Diplomacy
- Diversity and Social Inequality
- Economics
- Economic Policy
- European Studies
- French
- Global Peace and Security Studies
- Human Communication
- Intelligence and National Security
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Russian Studies
- Spanish
- Terrorism Studies
- World Comparative Studies

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Anthropology
- Economics
- History

Certificates
- None

Related Minors
- Anthropology
- Anthropology in Multicultural Studies
- Diversity and Social Inequality
- Economics
- European Studies
- Global Peace and Security Studies
- History
- Philosophy
- Psychology
- Sociology
- Terrorism Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt
- Prior to enrolling in Math, take Math Placement Test ~

Freshman Year - Fall 16 hrs
- POS 2041  American National Government  3 hrs
- ENC 1101  Composition I  3 hrs
- WOH 2012  World Civilization I  3 hrs
- GEP-Math  3 hrs
- Foreign Language  4 hrs

Freshman Year - Spring 16 hrs
- INR 2002  International Relations-Theory and Practice  3 hrs
- WOH 2022  World Civilization II  3 hrs
- ENC 1102  Composition II  3 hrs
- STA 2014C  Principles of Statistics  3 hrs
- Foreign Language  4 hrs

Sophomore Year - Fall 15 hrs
- POS 3703  Scope and Methods of Political Science  3 hrs
- GEO 3471  World Political Geography  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs
- Foreign Language  3 hrs
- GEP  3 hrs

Sophomore Year - Spring 15 hrs
- CPO 3103  Comparative Politics  3 hrs
- INR 4008  Global Perspectives  3 hrs
- INR 4603  International Relations Theory  3 hrs
- Foreign Language  3 hrs
- GEP  3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- Free Elective  3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs
- Free Elective  3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- GEP  3 hrs
- Elective / Minor  3 hrs
- Free Elective  3 hrs

Senior Year - Spring 13 hrs
- Restricted Elective  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs
- Free Elective  3 hrs
- Free Elective  1 hr
- POS 4961  Exit Exam  0 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term
Journalism (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

Email: journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Testing Center unless they have AP or IB credit in English or an “A” or better in both of the following courses:
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not receive academic internship credit.
- Students can enroll in a maximum of three hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.

1. UCF General Education Program (GEP)
- Composition: Complete both courses. 6 hrs
  - Required ENC 1101 Composition I and 3 hrs
  - Required ENC 1102 Composition II 3 hrs
- Speech: Select one of the following. 3 hrs
  - Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
  - Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

Statistics-Computers:
- Suggested CGS 1060C Introduction to Computers or 3 hrs
- Suggested STA 2014C Principles of Statistics 3 hrs

Math:
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations
- Group 1: Suggested POS 2041 American National Government 3 hrs
- Group 2: Suggested GES 1000 Global Awareness 3 hrs

E: Science Foundations
- Group 1: Suggested PHY 2060C General Physics I or 3 hrs
- Group 2: Suggested CHE 2045 General Chemistry I or 3 hrs

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

3. Core Requirements: Basic Level
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

Core: Required, satisfies the CPP
- SPC 1608 Fundamentals of Oral Communication or GEP
- SPC 1603C Fundamentals of Technical Presentations GEP

Core
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
- JOU 2100C News Reporting and 3 hrs
- JOU 3904 History of American Journalism and 3 hrs
- MMC 3200 Mass Communication Law and 3 hrs
- JCU 3015 Principles of Journalism and 3 hrs
- MMC 2004 Mass Media 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
4. Core Requirements: Advanced Level (3 hrs)
- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.

Select 1:
- MMC 4300 International Media or
- MMC 4303 Hispanics in Media in the US or
- Any Nicholson School advisor approved upper-division Study Abroad course

5. Restricted Electives (19 hrs)
- These courses can only be completed after acceptance into the program.
- NOTE: May NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
- All prerequisites of courses will be enforced.
- Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 10 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs

Digital News: Select the following: 10 hrs
- JOU 3101 Advanced Reporting 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs

Select 1:
- JOU 4340C Online Journalism I or
- JOU 4342C Multimedia Journalism 3 hrs

Group A: Select from the following: 6 hrs
- RTV 3301 Electronic Journalism I 3 hrs
- RTV 3304 Electronic Journalism II 3 hrs
- RTV 4581C Webcasting I 3 hrs
- RTV 4681C Television News 4 hrs
- JOU 3951 Knightly Latino: Spanish Language News 3 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3130 In-Depth Reporting 3 hrs
- JOU 3184C Metro Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3310 Social Media Writing for Magazines 3 hrs
- JOU 3313C Sports Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4340C Online Journalism I 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4211C Informational Graphics 3 hrs
- JOU 4213C Page Design 3 hrs
- JOU 4300 Feature Writing 3 hrs
- JOU 4309C Critical Writing 3 hrs
- JOU 4308 Freelance Writing 3 hrs
- JOU 4341C Online Journalism II 3 hrs
- JOU 4342C Multimedia Journalism 3 hrs
- JOU 4447 Magazine Editing and Production 3 hrs
- PGY 3610C Photojournalism I 3 hrs
- PGY 3620C Photojournalism II 3 hrs
- PGY 3630 Photojournalism III 3 hrs
- JOU 4941 Internship 1 hr

Group B: Select from the following: 3 hrs
- JOU 3301 Journalism Readings 3 hrs
- MMC 2004 Mass Media 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4263 New Media Technologies 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- RTV 4800 Broadcast Management 3 hrs
- JOU 4941 Internship 1 hr

7. Foreign Language Requirements

1. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor or area of concentration must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

2. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete a 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

11. Departmental Exit Requirements
- Acceptance of portfolio by faculty.
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None
## Latin American Studies (B.A.)

### College of Arts and Humanities

#### Latin American Studies, Colbourn Hall, Room: 122

Dr. Consuelo Stebbins, Director, stebbins@ucf.edu  
Donna Mercado, Advisor, Donna.Mercado@ucf.edu  
Phone: 407-823-1173

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with the program director or advisor.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td>Prefer COM 1000 Introduction to Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested HUM 2020 Encountering the Humanities 3 hrs</td>
</tr>
<tr>
<td>Suggested ARH 2050 History of Western Art I 3 hrs</td>
</tr>
<tr>
<td>Select additional course from B.1 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics 3 hrs</td>
</tr>
<tr>
<td>Select one course from C.2 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ANT 2000 General Anthropology 3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1 course from group E.1 3 hrs</td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. Common Program Prerequisites (CPP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Core Requirements: Basic Level (3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAS 3002 Topics in Latin American Studies 3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

4. Core Requirements: Advanced Level (9 hrs)
- LAH 3200 Modern Latin America 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs

5. Restricted Electives (24 hrs)
- Select no more than nine (9) credit hours of courses within the same department.
- Note that this is not an exhaustive list of course options.
- Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the Program Director.

Anthropology
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3164 Ancient Incas 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 4377 Archaeology of Caribbean Piracy 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs

History
- LAH 3130 Latin American History I 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4460 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs

Art History
- ARH 2051 History of Western Art II 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3874 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

English
- AML 3815 Harlem, Haiti, and Havana 3 hrs
- AML 3862 Ethnic Literature in America 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- LT 3191 Caribbean Literature 3 hrs
- LT 3381 Women Writers of Color 3 hrs
- LT 3823 Hispanic Women Writers 3 hrs
- LT 3382 Magical Realism in Literature 3 hrs

Humanities
- HUM 3460 Latin American Humanities 3 hrs

Latin American Geography and Culture
- GEA 4405 Geography of Latin America 3 hrs
- GEA 3403 Human Geography of Latin America 3 hrs
- GEA 3404 Migration Trends in Latin America 3 hrs
- GEA 3455 Geography of Brazil 3 hrs
- LAS 3220 Brazilian Culture 3 hrs

Politics
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- POS 4074 Latino Politics 3 hrs
- PUP 3314 Minorities in American Politics 3 hrs

Spanish and Spanish Literature
- Students can choose from the extensive listing of 3000-4000 of upper level Spanish, French, and/or Portuguese (SPN, SPW, SPT, FRE, and/or POR prefixes) courses offered by the Modern Languages Department. The student should give preference to those courses related to Latin American culture and civilization.

6. Capstone Requirements (3 hrs)
- Select 1 3 hrs
- LAS 4910 LAS Capstone 3 hrs
- LAS 4949 Cooperative Education 3 hrs
- LAS 3955 Study Abroad 3 hrs
- LAS 4955 Study Abroad 3 hrs

7. Foreign Language Requirements

Admissions
- Foreign Language Requirement: (0 - 11 hrs)
- LAS majors will have a proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

Graduation
- None

8. Electives
- Variable
- Select primarily from upper level courses after meeting with the program advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- LAS majors cannot minor in Latin American Studies. A second major can satisfy the minor requirement with prior consent of program director or advisor. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS program director or advisor. No more than six (6) hours can overlap between the major and the minor.

11. Departmental Exit Requirements
- Computer Competency met by completion of LAS 3002.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- History
- Political Science
- Art - History Track
- Interdisciplinary Studies

Certificates
- None

Related Minors
- International and Global Studies
- International Business
- Journalism Studies
- Mass Communications
- Sociology
UCF Degree Programs

Legal Studies (B.A. / B.S.)
College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students who complete the Legal Studies degree are eligible to apply for The Florida Bar Registered Paralegal designation or to sit for the national paralegal certification exams.

Admission Requirements
■ None
Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students should complete the General Education Program before transferring within the Florida College System or State University System.
■ Students should consult with a departmental advisor.
■ The courses designated in section 1 below may be chosen with the approval of the student's advisor.

Supporting Courses 9 hrs
■ None

Core Requirements: Basic Level 33 hrs
1. UCF General Education Program (GEP) (36 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   A: Communication Foundations (9 hrs)
   PLA 3615 Property and Real Estate Law 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   PLA 3108 Legal Research 3 hrs
   C: Mathematical Foundations (6 hrs)
   E: Science Foundations (6 hrs)
   D: Social Foundations (6 hrs)
2. Common Program Prerequisites (CPP) 9 hrs
   None
3. Core Requirements: Basic Level 36 hrs
4. Core Requirements: Advanced Level 18 hrs
   All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
   PLA 3014 Law and the Legal System 3 hrs
   PLA 3108 Legal Research 3 hrs
   PLA 3155 Legal Writing 3 hrs
   PLA 3205 Civil Practice and Procedure 3 hrs
   PLA 3615 Property and Real Estate Law 3 hrs
   PLA 4703 Professional Ethics and Liability 3 hrs
5. Restricted Electives 30 hrs
   Upper Division Restricted Electives 21 hrs
   ■ 21 additional hours of Legal Studies coursework selected in consultation with an advisor.
   Supporting Courses 9 hrs
   ■ Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Specializations
- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - A student may earn a maximum of two specializations.
  - Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements (3 hrs)
- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
  - PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
- If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0):
  - PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with their faculty advisor.

Related Programs
- Business
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- GEP Math 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Social 3 hrs
- GEP Science 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall
- GEP Communication 3 hrs
- Free Elective 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- GEP Historical 3 hrs
- Foreign Language I or BS option 4 hrs

Sophomore Year - Spring
- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs
- GEP Historical 3 hrs
- Foreign Language II or BS option 4 hrs

Junior Year - Fall
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Spring
- PLA 3155 Legal Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- PLA 3615 Property and Real Estate Law 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Management (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://business.ucf.edu/undergraduate-programs

Phone: 407-823-5569

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACS accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAN 3025, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level Business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Management major and/or College of Business.
- A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Select one of the following sequences of courses:

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required Courses for Major 15 hrs

Select one of the following sequences of courses:

D: Social Foundations (6 hrs)

Select 1: (3 hrs)

Primary Core 15 hrs

Secondary Core 13 hrs

Required Courses for Major 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4350</td>
<td>Performance Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4143</td>
<td>Leadership Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4441</td>
<td>Conflict Resolution and Negotiation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4046</td>
<td>Teamwork, Collaboration, and Group Dynamics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
5. Restricted Electives (12 hrs)
Restricted Elective Courses 9 hrs
Select 3:
- GEB 4435 Moral Foundations of Business or
- MAN 4209 Designing Dynamic Organizations or
- MAN 3301 Strategic Human Resource Management or
- MAN 4320 Human Resources Recruitment and Selection or
- MAN 4329 Business Analytics in Human Resource Management or
- Any MAN or ENT course

Business Elective 3 hrs
Choose any upper level business course

6. Capstone Requirements (3 hrs)
- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Management Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Honors in Major Credit Requirements 6 hrs
Required Honors Reading Course 3 hrs
- MAN 4903H Honors Directed Reading I or
- MAN 4904H Honors Directed Reading II
Required Honors Thesis 3 hrs
- MAN 4970H Undergraduate Honors Thesis

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 credit hours.

**Freshman Year - Fall** 15 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

**Freshman Year - Spring** 15 hrs
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

**Sophomore Year - Fall** 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring** 15 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Fall 16 hrs
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools I 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 15 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4441 Conflict Resolution and Negotiation 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- GEB 3375 Introduction to International Business 3 hrs
- MAN Elective 3 hrs
- Business Elective 3 hrs

Senior Year - Fall 16 hrs
- MAN 4350 Performance Management 3 hrs
- MAN 4143 Leadership Development 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- MAN elective 3 hrs
- Business Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4046 Teamwork, Collaboration, and Group Dynamics 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
- MAN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Marketing (B.S.B.A.)
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-2108

Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-B selling, with the potential to advance into either sales management or marketing management. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAR 3023, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Marketing major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Marketing courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/ or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term, the student will be dropped as a Marketing major and/ or College of Business student. A student who is dropped may seek re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in MAR 3023. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Required CGS 2100C Computer Fundamentals for Business
   - Required MAC 1105C College Algebra

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
   - Prefer ECO 2023 Principles of Microeconomics
   - Prefer ECO 2013 Principles of Macroeconomics

   Select 1: 3 hrs
   - Suggested PSY 2012 General Psychology
   - Suggested ANT 2000 General Anthropology
   - Suggested SYG 2000 Introduction to Sociology

   E: Science Foundations (6 hrs)
   - Select one of the following sequences of courses:
   - Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.

   2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - CGS 2100C Computer Fundamentals for Business 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs

   Select one of the following sequences of courses:
   - 1MAC 2233 Concepts of Calculus and
   - STA 2023 Statistical Methods I 3 hrs

1 Or MAC 2311 and MAC 2312
3. Core Requirements: Basic Level  
- None

4. Core Requirements: Advanced Level  (55 hrs)  

**Primary Core**  
- 15 hrs
  - ACG 3173: Accounting for Decision-Makers  3 hrs
  - ECO 3411: Quantitative Business Tools II  3 hrs
  - FIN 3403: Business Finance  3 hrs
  - MAN 3025: Management of Organizations  3 hrs
  - MAR 3023: Marketing  3 hrs

**Secondary Core**  
- 13 hrs
  - GEB 3003: Career Research & Planning  1 hr
  - GEB 3005: Career Search Strategy  1 hr
  - BUL 3130: Legal and Ethical Environment of Business  3 hrs
  - GEB 3375: Introduction to International Business  3 hrs
  - MAR 3203: Supply Chain and Operations Management  3 hrs
  - GEB 4223: Business Interviewing Techniques  1 hr
  - GEB 4004: Executing Your Career Plan  1 hr

Required Courses for Major  

**Marketing Management Track:** Required 24 hrs  
- Take all of the following:  
  - MAR 3615: Marketing Analysis  3 hrs
  - MAR 3391: Professional Selling  3 hrs
  - MAR 3503: Consumer Behavior  3 hrs
  - MAR 3613: Marketing Research  3 hrs
  - MAR 3721: Digital Media Marketing  3 hrs
  - MAR 4832: Product Management  3 hrs
  - MAR 4804: Marketing Strategy  3 hrs
  - MAR 4418: Strategic Sales Force Management  3 hrs

**Marketing Management Track:** Electives 3 hrs  
- Select 1:  
  - MAR 4841: Services Marketing or 3 hrs
  - MAR 4941: Marketing Internship  3 hrs

- OR

**Professional Selling Track:** Required 27 hrs  
- Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1.
- Department faculty committee will select professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of “B-” (2.75) or higher in the following course to apply:
  - MAR 3391: Professional Selling  3 hrs

Take all of the following:  
- MAR 3615: Marketing Analysis  3 hrs
- MAR 3391: Professional Selling  3 hrs
- MAR 3503: Consumer Behavior  3 hrs
- MAR 3613: Marketing Research  3 hrs
- MAR 3721: Digital Media Marketing  3 hrs
- MAR 4418: Strategic Sales Force Management  3 hrs
- MAR 4804: Marketing Strategy  3 hrs
- MAR 4415C: Advanced Professional Selling  3 hrs
- MAR 4413C: Strategic Issues in Sales  3 hrs

5. Restricted Electives  
- None

6. Capstone Requirements  (3 hrs)  
- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.  
- MAN 4720: Strategic Management  3 hrs

7. Foreign Language Requirements  

Admissions  
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation  
- None

8. Electives  
- Variable

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Marketing Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
  - **Honors In Major Credit Requirements**
  - **Required Honors Reading Course**  
    - MAR 4903H: Honors Directed Reading I  3 hrs
  - **Required Honors Thesis**  
    - MAR 4970H: Undergraduate Honors Thesis  3 hrs

**Related Programs**  
- None

**Certificates**  
- None

**Related Minors**  
- Marketing
- Professional Selling

**Advising Notes**  
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**  
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
### Marketing: Professional Selling Track

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
</tr>
<tr>
<td>MAR 3721</td>
<td>Digital Media Marketing</td>
</tr>
<tr>
<td>MAR 4415C</td>
<td>Advanced Professional Selling</td>
</tr>
<tr>
<td>MAR 4418</td>
<td>Strategic Sales Force Management</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>Marketing Research</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4804</td>
<td>Marketing Strategy</td>
</tr>
<tr>
<td>MAR 4413C</td>
<td>Strategic Issues in Sales</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Mathematics (B.S.)

#### College of Sciences

Department of Mathematics,  
Mathematical Sciences Building, Room: 207  
[http://math.ucf.edu](http://math.ucf.edu)

Dr. Joseph Brennan, MSB 212, Joseph.Brennan@ucf.edu,  
407-823-0147

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each course used to satisfy a requirement.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - MAC 2311C Calculus with Analytic Geometry I | 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II | 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III | 4 hrs
  - MAP 2302 Ordinary Differential Equations I | 3 hrs

#### Note: the following courses will not satisfy any Math degree requirements:

- MTG 4212 Modern Geometries | 4 hrs
- MTH 4404 History of Mathematics | 3 hrs

1. UCF General Education Program (GEP) (38 hrs)

- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
- Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

<table>
<thead>
<tr>
<th>A</th>
<th>Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Cultural &amp; Historical Foundations (9 hrs)</td>
</tr>
</tbody>
</table>
UCF Degree Programs

C: Mathematical Foundations (7 hrs)
Required
MAC 2311C Calculus with Analytic Geometry I 4 hrs
COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
Required
ECO 2023 Principles of Microeconomics 3 hrs

2. Select a course listed in GEP Program 3 hrs

E: Science Foundations (8 hrs)
Select one:
Suggested
PHY 2048C General Physics Using Calculus I 4 hrs
Calc I or
Suggested
CHM 2045C Chemistry Fundamentals I 4 hrs

AND
Suggested
BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
See Transfer Notes for possible substitutions of certain courses.
COP 3502C Computer Science I GEP
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs

Select from the courses listed in the GEP Program 4 hrs

1 CHM 2045C Chemistry Fundamentals I or
BSC 2010C Biology I or
PHY 2048C General Physics Using Calculus I GEP

1 or the two semester equivalent CHM 2040/2041

3. Core Requirements: Basic Level (22 hrs)
All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
Selection of the Science sequence may need to reflect the student's track. Consult the requirements of the track before selecting the science sequence.
The Mathematical Biology track requires all three of the CHM 2045C/2046/2047, the BSC 2010C/2011C, and the PHY 2048C/2049C sequences.
The Engineering/Physics track requires the PHY 2048C/2049C sequence.

Core: Basic Requirements
COP 3502C Computer Science I and GEP/CPP
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
MAC 2313 Calculus with Analytic Geometry III and CPP
MAP 2302 Ordinary Differential Equations I and CPP

Core: Science Sequence:
Select from the following 4 hrs
1 CHM 2045C Chemistry Fundamentals I and GEP/CPP
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Or -
BSC 2010C Biology I and GEP/CPP
BSC 211C Biology II 4 hrs

Or -
PHY 2048C General Physics Using Calculus I and GEP/CPP
PHY 2049C General Physics Using Calculus II 4 hrs

1 or the two semester equivalent CHM 2040/2041

Core: Additional Requirements 18 hrs
Substitution of COT 3100 for MHF 3302 is possible with approval of Department Undergraduate Coordinator.

MAA 4226 Advanced Calculus I 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3106 Linear Algebra 4 hrs
MAS 4301 Abstract Algebra I 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs

4. Core Requirements: Advanced Level
None

5. Restricted Electives
Students must select one of the following tracks.

A. General Mathematics Track 18 hrs
Select 3 credit hour from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics.
Select 3 credit hour from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics, except MTG 4212.
Select an additional 12 credits from 4000 or 5000 level courses offered by the Department of Mathematics except MTG 4212 or MHF 4404.

B. Mathematical Biology Track 42 hrs
Track Prerequisites:
BSC 2010C GEP/CPP and GEP/CPP
CHM 2045C GEP (Notes: or the two semester equivalent CHM 2040/2041)

Take all of the following:
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
MAP 4484 Mathematical Biology I and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4321 Statistical Theory I and 3 hrs
STA 4322 Statistical Theory II and 3 hrs
Any 4000 or 5000 level course with an MAA or MTG prefix offered by the Department of Mathematics and 3 hrs
Any 4000 or 5000 level course with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and 9 hrs
Select 9 credit hours from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs.

C. Mathematical Economics Track 36 hrs
Track Prerequisites:
ECO 2023 Principles of Microeconomics (GEP)

Take all of the following:
ECO 2013 Principles of Macroeconomics and 3 hrs
ECO 3101 Intermediate Microeconomics and 3 hrs
ECO 3203 Intermediate Macroeconomics and 3 hrs
ECO 3410 Mathematical Economics and 3 hrs
ECO 4412 Econometrics and 3 hrs
MAP 4113 Probability, Random Processes and Applications and 3 hrs
MAP 4640 Financial Mathematics and 3 hrs
STA 2023 Statistical Methods I and 3 hrs
STA 4321 Statistical Theory I and 3 hrs
Select 3 credit hours from 4000 or 5000 level courses with an MAA, MAD, MAS or MTG prefix offered by the Department of Mathematics except MTG 4212 and 3 hrs

And select 6 credit hours from the following:
ECP 4303 Environmental and Natural Resource Economics and 3 hrs
ECP 4403 Industrial Organization and 3 hrs
STA 4322 Statistical Theory II and 3 hrs

D. Computational Track 39 hrs
Track Prerequisites:
COP 3502C Computer Science I (GEP)

Take all of the following:
COP 3503C Computer Science II and 3 hrs
MAP 4303 Ordinary Differential Equations II and 3 hrs
MAP 4341 Introduction to Partial Differential Equations and 3 hrs
### E. Engineering/Physics Track

**Track Prerequisites:**

- PHY 2048C Physics for Engineers & Scientists I (GEP/CPP) or PHY 2049C Physics for Engineers and Scientists II (CPP)

**Take all of the following courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics and Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables and Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4103</td>
<td>Mathematical Modeling I and II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II and III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3470</td>
<td>Dynamics of Engineering Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3471</td>
<td>Vibrations and Controls of Engineering Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3472</td>
<td>Thermodynamics of Engineering Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3151</td>
<td>Computer Methods in Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3510</td>
<td>Engineering Analysis-Statics and Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3220</td>
<td>Mechanics I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3472</td>
<td>Mechanics of Engineering Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3475</td>
<td>Thermodynamics of Engineering Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select at least 6 hours:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab or or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C</td>
<td>Electrical Networks or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331C</td>
<td>Mechanics of Materials or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4605</td>
<td>Wave Mechanics II or or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select at least 6 hours:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Analysis &amp; Design of Aerospace Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400</td>
<td>Spacecraft Attitude Dynamics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>Orbital Mechanics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 442C</td>
<td>Embedded Systems or or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**And select 9 credit hours from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3402</td>
<td>Systems Software or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures I or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture or or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select at least 6 hours:**

- EEL 4832 Engineering Applications of Computer Methods or
- EEL 4851C Engineering Data Structures or
- EGN 3365 Structure and Properties of Materials or
- EGN 3613 Engineering Economic Analysis or
- EIN 4333 Production and Distribution Systems or
- EMA 4223 Fundamentals of Mechanical Behavior of Materials or
- EML 3262 Kinematics of Mechanisms or
- EML 3701 Fluid Mechanics I or
- EML 4142 Heat Transfer or
- EML 4225 Introduction to Vibrations and Controls or
- EML 4313 Intermediate System Dynamics and Controls or
- EML 4703 Fluid Mechanics II or
- ENV 4561 Advanced Environmental Engineering Operations & Processes or
- ESI 4234 Quality Engineering or
- ESI 4523 Systems Simulation or
- PHY 3220 Electricity and Magnetism I or
- PHY 4324 Electricity and Magnetism II or
- STA 4321 Statistical Theory I or
- STA 4322 Statistical Theory II

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 2403</td>
<td>Introduction to Combinatorics or or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory or or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation

- None

### 8. Electives

- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each course used to satisfy the degree program.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Participate in an exit interview.
- Fulfill Exit Examination requirement.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.

### Related Programs

- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
UCF Degree Programs

- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

Certificates
- None

Related Minors
- Actuarial Science
- Bioengineering
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study.
- See program description for all requirements.
- Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu
- Below Plan of Study designed to pursue graduate study.

Freshman Year - Fall 17 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- ENC 1101 Composition I 3 hrs
- BSC 2010C Biology I 4 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs

Freshman Year - Spring 16 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- ENC 1102 Composition II 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- MTH 2432 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- COP 3502C Computer Science I 3 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Fall 14 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs
- PSY 2012 General Psychology 3 hrs

Junior Year - Fall 15 hrs
- MTH 4203 Introduction to Combinatorics 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs
- MAP 4304 Numerical Methods for Computational Sciences 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Junior Year - Spring 14 hrs
- MTH 4301 Introduction to Graph Theory 3 hrs
- MTH 4402 Introduction to Complex Variables 3 hrs
- MAP 4371 Numerical Methods for Differential Equations 3 hrs
- Elective 3 hrs
- Elective 2 hrs

Senior Year - Fall 14 hrs
- MTH 4226 Advanced Calculus I 4 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs
- MAP 4903H Honors Directed Reading I 1 hr
- MAS 4301 Abstract Algebra I 3 hrs

Senior Year - Spring 13 hrs
- MTH 4227 Advanced Calculus II 3 hrs
- MAP 4970H Undergraduate Honors Thesis 1 hr
- MAS 4302 Abstract Algebra II 3 hrs
- MTG 4254 Introduction to Differential Geometry 3 hrs
- MTG 4302 Introduction to Topology 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Mathematics Education (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
**UCF Degree Programs**

**Education Track**: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

**1. UCF General Education Program (GEP)** (37 hrs)

- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>MUL 2010 Enjoyment of Music</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2000 Theatre Survey</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education Program elective: Prefer a second course from GEP section B1</td>
<td></td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP)** (17 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDE 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I or II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**3. Core Requirements: Basic Level** (6 hrs)

- Education Track requires 8 semester hours.
- Lifelong Learning Track requires 9 semester hours.
- Students should consult advisor regarding course options.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I or II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

**Lifelong Learning Track** (9 hrs)

- MAC 2311C Calculus with Analytic Geometry I | GEP |
- STA 2023 Statistical Methods I | GEP |
- MAC 2312 Calculus with Analytic Geometry II | CPP |
- MAC 2313 Calculus with Analytic Geometry III | CPP |
- MAP 2302 Ordinary Differential Equations I | 3 hrs |
- MHS 2330 Career Planning | 3 hrs |

**Select 1:** (3 hrs)

- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning |

**4. Core Requirements: Advanced Level** (57 hrs)

- Education Track requires 60 semester hours.
- Lifelong Learning Track requires 57 semester hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MHS 2330 Career Planning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** (3 hrs)

- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning |

**Select 2:** (3 hrs)

- MAC 2311C Calculus with Analytic Geometry I or II | 4 hrs |
- STA 2023 Statistical Methods I | 3 hrs |
- MAC 2312 Calculus with Analytic Geometry II | 3 hrs |
- MAC 2313 Calculus with Analytic Geometry III | 3 hrs |
- MAP 2302 Ordinary Differential Equations I | 3 hrs |

1 Prerequisite to Internship I

**Education Track Specialization Requirements** (23 hrs)

- A grade of “C-” (1.75) or better is required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3015 Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3203 Introduction to Number Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 3302 Logic and Proof in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTG 4212 Modern Geometries</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 4163 Statistical Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4634 Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 3366 Middle and High School Mathematics for Teaching</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Prerequisite to Internship I

**Internship I Block** (7 hrs)

- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses including MAE 3366 Middle and High School Mathematics for Teaching, MAE 4634 Programs in Teaching of Mathematics and MAP 2302 Differential Equations with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional specialization and overall for admission to Internship I.

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools, TSL 4080 Theory and Practice of Teaching ESL, EEX 4242 Teaching Exceptional Students in Secondary Settings, RED 4043 Content Reading in Kindergarten through Grade 12.

- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](http://www.education.ucf.edu/clinicalexp/)

- MAE 3360 Mathematics Instructional Analysis | 4 hrs |
- MAE 3366 Middle and High School Mathematics for Teaching | 3 hrs |

1 Prerequisite to Internship I

**Education Track** (6 hrs)

- EDF 2130 Child and Adolescent Development for Educators | 3 hrs |
- MAC 2311C Calculus with Analytic Geometry I or II | 4 hrs |
- STA 2023 Statistical Methods I | 3 hrs |
- MAC 2312 Calculus with Analytic Geometry II | 3 hrs |
- MAC 2313 Calculus with Analytic Geometry III | 3 hrs |
- MAP 2302 Ordinary Differential Equations I | 3 hrs |
- MHS 2330 Career Planning | 3 hrs |
UCF Degree Programs

Internship II Block 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Mathematics 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

MAE 4941 Internship 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 36 hrs Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

MAE 3366 Middle and High School Mathematics for Teaching 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs
MIF 3302 Logic and Proof in Mathematics 3 hrs
MTG 4212 Modern Geometries 4 hrs
STA 4163 Statistical Methods II 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2030 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Industry
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
PSC 1121 Physical Science 3 hrs
GEP B1 Elective 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP B3 Elective ( Prefer course from section B1) 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

256 Undergraduate Catalog 2016-2017
## UCF Degree Programs

### Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PSY 2012 General Psychology 3 hrs

### Select 1:
- MUL 2100 Theatre Survey or 3 hrs
- PHI 2100 Introduction to Philosophy 3 hrs

### Sophomore Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- POS 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I 3 hrs

**Education Track** 3 hrs
- MIF 3302 Logic and Proof in Mathematics 3 hrs

**Lifelong Learning Track** 3 hrs
- Choose Lifelong Learning Specialization course 3 hrs

### Sophomore Year - Spring
- EME 2040 Introduction to Technology for Educators 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs

**Education Track** 10 hrs
- MAS 3105 Matrix and Linear Algebra and 4 hrs
- MAS 3203 Introduction to Number Theory and 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

**Lifelong Learning Track** 7 hrs
- MHS 2330 Career Planning and 3 hrs
- Choose Lifelong Learning Specialization course 4 hrs

### Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDF 2270 Adult Development & Learning 3 hrs

### Junior Year - Fall
- EDF 4467 Teaching Theory and Assessment Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

**Education Track** 3 hrs
- STA 4163 Statistical Methods II 3 hrs

**Lifelong Learning Track** 3 hrs
- Choose Lifelong Learning Specialization course 3 hrs

### Junior Year - Spring
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Education Track** 3 hrs
- MAE 3366 Middle and High School Mathematics for Teaching 3 hrs

### Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

**Education Track** 11 hrs
- MTG 4212 Modern Geometries 4 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 3940 Internship 3 hrs

**Lifelong Learning Track** 11 hrs
- Choose Lifelong Learning Specialization courses 11 hrs

### Senior Year - Spring
- ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

**Education Track** 12 hrs
- MAE 4940 Internship and 9 hrs
- MAE 4941 Internship and 9 hrs

**Lifelong Learning Track** Choose Lifelong Learning Specialization courses 12 hrs

---

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### Mechanical Engineering (B.S.M.E.)

**College of Engineering and Computer Science**

**Department of Mechanical and Aerospace Engineering, Engineering I, Room: 381**

[http://www.mae.ucf.edu](http://www.mae.ucf.edu)

**Email:** mmaeugrad@ucf.edu

Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-5014
Lynn Grabenhurst, Lynn.Grabenhurst@ucf.edu, 407-823-5448
Phone: 407-823-5448

**Admission Requirements**
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Mechanical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Mechanical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

**1. UCF General Education Program (GEP) (38 hrs)**
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs E. through G. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.
**UCF Degree Programs**

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

**Select 1:**
- Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

**C: Mathematical Foundations (7 hrs)**
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

**D: Social Foundations (6 hrs)**
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
  - Select one class from Social Foundations 3 hrs

**E: Science Foundations (7 hrs)**
- Required PHY 2048C General Physics Using Calculus I 4 hrs

**Select one class from Science Foundations 3 hrs**

**2. Common Program Prerequisites (CPP) (19 hrs)**
- These courses are specifically required for all engineering students of the Florida State University System.
- CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. MAC 2311C Calculus with Analytic Geometry I 4 hrs
2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
3. MAC 2313 Calculus with Analytic Geometry III 4 hrs
4. MAP 2302 Ordinary Differential Equations I 3 hrs
5. PHY 2048C General Physics Using Calculus I 4 hrs
6. PHY 2049C General Physics Using Calculus II 4 hrs

1. A “C” (2.0) or better is required in this course.

**Select one of the following sequences of courses:**
- Preferred course
  - CHS 1440 Principles of Chemistry 4 hrs
- or- First alternative: Select all of the following: 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- or- Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

**3. Core Requirements: Basic Level (2 hrs)**
- Required Courses: Basic 2 hrs
  - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

**4. Core Requirements: Advanced Level (63 hrs)**
- Required Courses: Advanced 36 hrs
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3343 Thermodynamics 3 hrs
  - EGN 3365 Structure and Properties of Materials 3 hrs
  - EGN 3373 Principles of Electrical Engineering 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs
  - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
  - EML 3303C Mechanical Engineering Measurements 3 hrs
  - EGN 3601 Solid Mechanics 3 hrs

- Select 2 of the following: 6 hrs
  - EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
  - EML 4143 Heat Transfer II or 3 hrs
  - EML 4313 Intermediate System Dynamics and Controls or 3 hrs
  - EML 4703 Fluid Mechanics II or 3 hrs
  - EGM 4504 Design & Analysis of Machine Components II 3 hrs

**Select 1 of the Following:** 3 hrs
- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab or 3 hrs

**5. Restricted Electives 18 hrs**
- Approved Electives
  - These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
  - CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
  - EML 4501C Engineering Design I 3 hrs
  - EML 4502C Engineering Design II 3 hrs

**6. Capstone Requirements (6 hrs)**
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
  - EML 4501C Engineering Design I 3 hrs
  - EML 4502C Engineering Design II 3 hrs

**7. Foreign Language Requirements**

- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

- **Graduation**
  - None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 128

**Honors In Major**
- None

**Related Programs**
- Aerospace Engineering

**Certificates**
- None

**Related Minors**
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

**Advising Notes**
- Double Degree[Double Major requirements listed under the college section of the catalog.**

**UNIVERSITY OF CENTRAL FLORIDA**

258 Undergraduate Catalog 2016-2017
Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
- EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs

Transfer Notes
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA or 4 hrs

† Must take CHM 2041 to complete the sequence

Freshman Year - Spring 15 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C General Physics Using Calculus I 4 hrs
- GEP 3 hrs

Freshman Year - Summer 10 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs

Sophomore Year - Fall 13 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- PHY 2048C General Physics Using Calculus II 4 hrs

Sophomore Year - Spring 12 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3601 Solid Mechanics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs

Sophomore Year - Summer 9 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall 15 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3933 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3500 Design and Analysis of Machine Components 3 hrs

Junior Year - Spring 15 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall 15 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- EML 4501C Engineering Design I 3 hrs
- EML 4931 Mechanical Career and Academic Faculty Advising II 0 hrs

Select 2 6 hrs
- EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

Senior Year - Spring 12 hrs
- EML 4502C Engineering Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Select 1 3 hrs
- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab or 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Medical Laboratory Sciences (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Dr. Griffith Parks, Director
Dorilyn Hitchcock, Program Director
Phone: 407-823-5932

Admission Requirements
- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).
## UCF Degree Programs

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of "C" (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check, negative drug screen, and Board of Clinical Lab Personnel trainee license are required.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**A:** Communication Foundations (9 hrs)

**B:** Cultural & Historical Foundations (9 hrs)

**C:** Mathematical Foundations (6 hrs)

- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

**D:** Social Foundations (6 hrs)

**E:** Science Foundations (8 hrs)

- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

#### 2. Common Program Prerequisites (CPP) (25 hrs)

- Take all of the following:
  - CHM 2045C Chemistry Fundamentals I and 4 hrs
  - CHM 2046 Chemistry Fundamentals II and 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Take all of the following:
  - CHM 2210 Organic Chemistry I and 3 hrs
  - CHM 2211 Organic Chemistry II and 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs

1. See Transfer Notes

#### 3. Core Requirements: Basic Level

None

#### 4. Core Requirements: Advanced Level (64 hrs)

- MLS 3220C Techniques in Clinical Microscopy 3 hrs
- MLS 4625 Advanced Clinical Chemistry I 3 hrs
- MLS 4630 Advanced Clinical Chemistry II 3 hrs
- PCB 3233 Immunology 3 hrs
- MLS 4430C Clinical Parasitology 3 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- MLS 4910 Introduction to Clinical Research 1 hr
- MLS 4550 Clinical Immunohematology 4 hrs
- MLS 4460L Clinical Pathogenic Microbiology Lab 1 hr
- MLS 4334 Hemostasis 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab 1 hr
- PCB 3233L Immunology Laboratory 1 hr
- MLS 3305L Hematology Lab 1 hr
- MLS 4933 Medical Technology Seminar 2 hrs
- MLS 3705 Concepts in Education/Management 3 hrs
- MLS 4830L Interpretive & Practical Clinical Chemistry 4 hrs
- MLS 4831L Interpretive & Practical Immunohematology 4 hrs
- MLS 4832L Interpretive & Practical Hematology 4 hrs
- MLS 4833L Diagnostic Microbiology 4 hrs
- CGS 1060C Introduction to Computers 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

#### 5. Restricted Electives

None

#### 6. Capstone Requirements

None

#### 7. Foreign Language Requirements

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

#### 8. Electives

None

#### 9. Additional Requirements

None

#### 10. Required Minors

None

#### 11. Departmental Exit Requirements

- A minimum 2.5 overall GPA is required for clinical assignment.
- The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.
- Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.
- Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required

126

#### Honors In Major

None

#### Related Programs

- Biomedical Sciences
- Biology
- Chemistry

#### Certificates

None

#### Related Minors

- Biomedical Sciences
- Biology
- Chemistry

#### Advising Notes

None

#### Transfer Notes

- Students that transfer with an AA degree and will be pursing a BS degree must meet the University foreign language admission requirements for graduation.

---

**Acceptable Substitutes for Transfer Courses**

- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) 8 hrs
- MCB 3020C General Microbiology 5 hrs
- May be substituted with: MCB 2010C

---

**Plan of Study**

**Freshman Year - Fall** 16 hrs

- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- GEP 9 hrs


UCF Degree Programs

Freshman Year - Spring  17 hrs
ENC 1102  Composition II  3 hrs
BSC 2010C  Biology I  4 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
CHM 2046  Chemistry Fundamentals II  3 hrs
GEP  6 hrs

Sophomore Year - Fall  16 hrs
CHM 2210  Organic Chemistry I  3 hrs
ZOO 3733C  Human Anatomy  4 hrs
GEP  9 hrs

Sophomore Year - Spring  17 hrs
CHM 2211  Organic Chemistry II  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
MCB 3020C  General Microbiology  5 hrs
PCB 3705C  Human Physiology  4 hrs
GEP  3 hrs

Junior Year - Fall  14 hrs
MLS 3202C  Techniques in Clinical Microscopy  3 hrs
MLS 4625  Advanced Clinical Chemistry I  3 hrs
MLS 4625L  Advanced Clinical Chem I Lab  1 hr
PCB 3233  Immunology  3 hrs
PCB 3233L  Immunology Laboratory  1 hr
MLS 4430C  Clinical Parasitology  3 hrs

Junior Year - Spring  8 hrs
MLS 3305  Hematology  3 hrs
MLS 3305L  Hematology Lab  1 hr
MLS 4630  Advanced Clinical Chemistry II  3 hrs
MLS 4460L  Clinical Pathogenic Microbiology Lab  1 hr

Junior Year - Summer  7 hrs
MLS 4334  Hemostasis  3 hrs
MLS 4550  Clinical Immunohematology  4 hrs

Senior Year - Fall  16 hrs
MLS 4830L  Interpretive & Practical Clinical Chemistry  4 hrs
MLS 4831L  Interpretive & Practical Immunohematology  4 hrs
MLS 4832L  Interpretive & Practical Hematology  4 hrs
MLS 4833L  Diagnostic Microbiology  4 hrs

Senior Year - Spring  13 hrs
MLS 4910  Introduction to Clinical Research  1 hr
MLS 4505C  Immunodiagnostics  3 hrs
MLS 4933  Medical Technology Seminar  2 hrs
MLS 3705  Concepts in Education/Management  3 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alic/academic_learning_compacts.htm
- Equipment Fees
  - Part-Time Student: $39 per term
  - Full-Time Student: $78 per term

Music (B.A.)
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu
Email: ucfmusic@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates

Degree Requirements

- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major
- Students should consult with a departmental advisor for course selections
- Courses designated in 1 (General Education Program) are usually spread over the full four years
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP)  (36 hrs)
- (see General Education Program for detailed information)

A: Communication Foundations  (9 hrs)
  Required ENC 1101  Composition I  3 hrs
  Required ENC 1102  Composition II  3 hrs
  Prefer SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
  Required MUH 3212  Music History and Literature II  3 hrs
  Select one course from B 1 list  3 hrs
  Required MUL 2720  Music of the World  3 hrs

C: Mathematical Foundations  (6 hrs)
  Math  3 hrs
  Suggested MGF 1107  Explorations in Mathematics  3 hrs
  or
  Suggested MGF 1106  Finite Mathematics or
  You may substitute a higher level math with appropriate scores on the Math Placement Exam

Statistics-Computers  3 hrs
  Select a course from GEP C.2 list  3 hrs

D: Social Foundations  (6 hrs)

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (28 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MUT 1121  Music Theory and Musicianship I  4 hrs
- MUT 1122  Music Theory and Musicianship II  4 hrs
- MUT 2126  Music Theory and Musicianship III  4 hrs
- MUT 2127  Music Theory and Musicianship IV  4 hrs
- MVK 1111  Class Piano I  1 hr
- MVK 1112  Class Piano II  1 hr
- MVK 2121  Class Piano III  1 hr
- MVK 2122  Class Piano IV  1 hr
- MUN XXXX  Ensembles  4 hrs
- MVX XXXX  Performance  4 hrs

3. Core Requirements: Basic Level  (6 hrs)
  MVK 1111  Music Theory and Musicianship I  4 hrs
  MVK 1112  Music Theory and Musicianship II  4 hrs
  MVK 2126  Music Theory and Musicianship III  4 hrs
  MVK 2127  Music Theory and Musicianship IV  4 hrs
  MVK 1111  Class Piano I  1 hr
  MVK 1112  Class Piano II  1 hr
  MVK 2121  Class Piano III  1 hr
  MVK 2122  Class Piano IV  1 hr
  MUN XXXX  Ensembles  4 hrs
  MVX XXXX  Performance  4 hrs

4. Core Requirements: Advanced Level  (3 hrs)
- MUH 3211  Music History and Literature I  3 hrs
- MUH 3212  Music History and Literature II  3 hrs

5. Restricted Electives  (33 hrs)
- Restricted Electives-Music  15 hrs
  Choose from any MUX 3XXX or 4XXX  (No more than 6 of these credits can be taken as MUN courses.)
  Choose one MUT 3XXX or MUT 4XXX  3 hrs
UCF Degree Programs

Restricted Electives-Non-Music  18 hrs
■ Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
MUS 4900  Music BA Capstone Project  3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
■ Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper-level courses

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Music Education
■ Theatre
■ Theatre - Musical Theatre Track

Certificates
■ None

Related Minors
■ Music
■ Theatre

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall  17 hrs
1 ENC 1101  Composition I  3 hrs
MUT 1121  Music Theory and Musicianship I  4 hrs
MKV 1111  Class Piano I  1 hr
MUS 1010  Music Forum  0 hrs
MUN XXXX  Ensemble  1 hr
MVX 141X  Performance I  2 hrs
GEP E.1.  Science Foundation  3 hrs
MHUH 3633  Music in the United States  3 hrs

1 (GEP A.1.)

Freshman Year - Spring  14 hrs
ENC 1102  Composition II  3 hrs
MUT 1122  Music Theory and Musicianship II  4 hrs
MKV 1112  Class Piano II  1 hr
MUS 1010  Music Forum  0 hrs
MUS 2360C  Introduction to Music Technology  3 hrs
MUN XXXX  Ensemble  1 hr
MVX 141X  Performance I  2 hrs

Sophomore Year - Fall  16 hrs
1 SPC 1608  Fundamentals of Oral Communication  3 hrs
MUT 2126  Music Theory and Musicianship III  4 hrs
MKV 2121  Class Piano III  1 hr
STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
MUS 1010  Music Forum  0 hrs
MUN XXXX  Ensemble  1 hr
Foreign Language Elementary Level I  4 hrs

1 (GEP A.3.)

Sophomore Year - Spring  16 hrs
MUT 2127  Music Theory and Musicianship IV  4 hrs
MKV 2122  Class Piano IV  1 hr
MUS 1010  Music Forum  0 hrs
MGF 1106  Finite Mathematics  3 hrs
MUN XXXX  Ensemble  1 hr
Foreign Language Elementary Level II  4 hrs
MUL 2720  Music of the World  3 hrs

Junior Year - Fall  15 hrs
MUH 3211  Music History and Literature I  3 hrs
GEP B.1.  Cultural & Historical Foundation  3 hrs
MUT 3/4XXX  Music Restricted Elective  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
MUH 3212  Music History and Literature II  3 hrs
Elective  3 hrs
MUT 3/4XXX  Music Restricted Elective  3 hrs
MUX 3/4XXX  Music Restricted Elective  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Senior Year - Fall  15 hrs
GEP D.1.  Social Foundation  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs
MUX 3/4XXX  Music Restricted Elective  3 hrs
GEP E.2.  Science Foundation  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Senior Year - Spring  12 hrs
MUS 4900  Music BA Capstone Project  3 hrs
GEP D.2.  Social Foundation  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs
XXX 3/4XXX  Non-Music Restricted Elective  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term
## Admission Requirements

### Professional Sequence Entrance Review

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

- This review is a pre-requisite for Performance level III.

### Degree Requirements

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.

- Students who change degree programs and select this major must adopt the most current catalog.

- At least 65 hours of credit must be earned in music courses.

- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.

- Performance students must present two faculty-approved public recitals.

- Students should consult with a departmental advisor for course selection.

- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

- Students must complete a faculty-approved Senior BM web portfolio.

- A cumulative minimum GPA of 3.00 based upon all courses of at least 3.0

### Required Courses

#### 1. UCF General Education Program (GEP) (36 hrs)

- **A: Communication Foundations** (9 hrs)
  - Prefer SPC 1608 Fundamentals of Oral Communication

- **Take all of the following:**
  - Required ENC 1101 Composition I and II 3 hrs
  - Required ENC 1102 Composition II 3 hrs

- **B: Cultural & Historical Foundations** (9 hrs)
  - Required MUL 2016 Evolution of Jazz 3 hrs
  - Select one course from B.1 list 3 hrs
  - Required MUL 2720 Music of the World 3 hrs

#### 2. Common Program Prerequisites (CPP) (24 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (6 hrs)

- MUS 2360C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2016 Evolution of Jazz GEP
- MUL 2720 Music of the World GEP
- MUH 3633 Music in the United States 3 hrs

#### 4. Core Requirements: Advanced Level (54 hrs)

- MUT 3170 Jazz Theory I 3 hrs
- MUL 3171 Jazz Theory II 3 hrs
- MUL 3923 Jazz Workshop 3 hrs
- MUS 4330 Music Business and Industry 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs

- Select 1:

  - MUH 3211 Music History and Literature I or 3 hrs
  - MUH 3212 Music History and Literature II 3 hrs

#### Specialty Requirements (Choose one): 27 hrs

- All courses are taken for two semesters each except restricted elective courses

#### Trumpet

- MVB 1411 Trumpet I 2 hrs
- MVB 2421 Trumpet II 2 hrs
- MVB 3431 Trumpet III 3 hrs
- MVB 4441 Trumpet IV 4 hrs
- Restricted Electives 5 hrs

#### Trombone

- MVB 1413 Trombone I 2 hrs
- MVB 2423 Trombone II 2 hrs
- MVB 3433 Trombone III 3 hrs
- MVB 4443 Trombone IV 4 hrs
- Restricted Electives 5 hrs

#### Saxophone

- MVW 1415 Saxophone I 2 hrs
- MVW 2425 Saxophone II 2 hrs
- MVW 3435 Saxophone III 3 hrs
- MVW 4445 Saxophone IV 4 hrs
- Restricted Electives 5 hrs

#### Jazz Piano

- MJV 1010 Jazz Piano I 2 hrs
- MJV 2220 Jazz Piano II 2 hrs
- MJV 3230 Jazz Piano III 3 hrs
- MJV 4240 Jazz Piano IV 4 hrs
- MVK 1211 Secondary Piano 1 hr
- Restricted Electives 3 hrs

---

**Math**

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

- You may substitute a higher level math with appropriate scores on the Math Placement Exam.

### Statistics - Computers

- Select a course from GEP C.2 list 3 hrs

### E: Science Foundations (6 hrs)

### 1. UCF Degree Programs

**Music - Jazz Studies Track (B.M.)**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center - Music, Room: M203**

**http://music.cah.ucf.edu**

**Email: musicaud@ucf.edu**

J. Rupert, JeffRupert@ucf.edu, 407-823-5411

Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968

**Admission Requirements**

**Audition Requirements for Admission**

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

- The audition will serve as a placement examination for accepted candidates.

**Professional Sequence Entrance Review**

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:

**Degree Requirements**

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.

- Students who change degree programs and select this major must adopt the most current catalog.

- At least 65 hours of credit must be earned in music courses.

- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.

- Performance students must present two faculty-approved public recitals.

- Students should consult with a departmental advisor for course selection.

- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

- Students must complete a faculty-approved Senior BM web portfolio.

- A cumulative minimum GPA of 3.00 based upon all courses of at least 3.0

- This review is a pre-requisite for Performance level III.
### UCF Degree Programs

#### Jazz Bass
- MVJ 1214 Jazz Bass I 2 hrs
- MVJ 2224 Jazz Bass II 2 hrs
- MVJ 3234 Jazz Bass III 3 hrs
- MVJ 4244 Jazz Bass IV 4 hrs
- MVS 1214 Secondary Bass 1 hr
  - Restricted Electives 3 hrs

#### Jazz Guitar
- MVJ 1213 Jazz Guitar I 2 hrs
- MVJ 2223 Jazz Guitar II 2 hrs
- MVJ 3233 Jazz Guitar III 3 hrs
- MVJ 4243 Jazz Guitar IV 4 hrs
- MVS 1216 Secondary Guitar 1 hr
  - Restricted Electives 3 hrs

#### Jazz Drum Set
- MVJ 1219 Jazz Drum Set I 2 hrs
- MVJ 2229 Jazz Drum Set II 2 hrs
- MVJ 3339 Jazz Drum Set III 3 hrs
- MVJ 4349 Jazz Drum Set IV 4 hrs
- MVP 1211 Secondary Percussion 1 hr
  - Restricted Electives 3 hrs

#### 5. Restricted Electives
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUF, MVX courses numbered 3000 or higher.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

#### 8. Electives
- Select primarily from upper level courses. May be outside of the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 2 hrs
- MUH 3633 Music in the United States 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

#### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 2121 Class Piano III 1 hr
- MUT 3170 Jazz Theory I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MVX 242X Performance II 2 hrs

#### Sophomore Year - Spring
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVK 2122 Class Piano IV 1 hr
- MUT 3171 Jazz Theory II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUL 2720 Music of the World 3 hrs
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Review

#### Junior Year - Fall
- MUS 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MGG 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

#### Junior Year - Spring
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUH 3211 Music History and Literature I 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- MVX 343X Performance III 3 hrs
- MUX 3XXX Restricted Elective 1 hr

#### Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- MUS 3923 Jazz Workshop 3 hrs
- MUH 4814 Jazz Styles and Analysis 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs

#### Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Social Foundation 3 hrs
UCF Degree Programs

Degree Requirements

Music - Music Composition Track (B.M.)

College of Arts and Humanities
Department of Music,
Performing Art Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review
- Prospective composition students must audition for and be accepted for either the BA in Music, the BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUS 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
- This review is a pre-requisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP) (36 hrs)
- (see General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature I 3 hrs
- Select one course from B.1 list 3 hrs
- Required MUL 2014 Introduction to Music History and Literature 3 hrs

- Program Academic Learning Compacts
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
UCF Degree Programs

Professional Sequence Requirements:

4. Core Requirements: Advanced Level (23 hrs)

5. Restricted Electives (9 hrs)

Special Non-Course Requirements: Major Ensemble Participation

Statistics - Computers

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

3. Core Requirements: Basic Level (20 hrs)

E: Science Foundations (6 hrs)

2 Two semesters for total 8 hrs

C: Mathematical Foundations (6 hrs)

Math

Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics

or

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Professionals Sequence Requirements:

1 Two semesters for total 6 hrs

Statistics - Computers

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

3. Core Requirements: Basic Level (20 hrs)

E: Science Foundations (6 hrs)

2 Two semesters for total 8 hrs

3. Core Requirements: Basic Level (20 hrs)

MUH 3211 Music History and Literature I 3 hrs

MUH 3212 Music History and Literature II 3 hrs

MUL 2720 Music of the World GEP

MUT 2126 Music Theory and Musicianship II 4 hrs

MUT 2127 Music Theory and Musicianship IV 4 hrs

MVK 1111 Class Piano I 1 hr

MVK 1112 Class Piano II 1 hr

MVK 2121 Class Piano III 1 hr

MVK 2122 Class Piano IV 1 hr

MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483

MVX 141X Performance I (two semesters) 4 hrs

MVX 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)

MUH 3633 Music in the United States 3 hrs

MUS 2360C Introduction to Music Technology 3 hrs

MUC 1101C Composition I 2 hrs

MUC 2104C Composition II 2 hrs

MUT 1010 Music Forum 0 hrs

MUL 2720 Music of the World GEP

MUG 3104 Basic Conducting 2 hrs

MUH 3211 Music History and Literature I 3 hrs

MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483)

MVX 242X Performance II (two semesters) 4 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

1 MUC Composition III 3 hrs

3105C 4 hrs

2 MUC Composition IV 4 hrs

4105C

MUT 4401 Counterpoint 3 hrs

MUT 4311 Class Piano IV 1 hr

MUT 4312 Class Piano II 1 hr

MUT 4401 Counterpoint 3 hrs

MUT 4571 Analysis of Twentieth-Century Music 3 hrs

MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483)

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:

1 MUC Composition III 3 hrs

3105C 4 hrs

2 MUC Composition IV 4 hrs

4105C

MUT 4401 Counterpoint 3 hrs

MUT 4311 Class Piano IV 1 hr

MUT 4312 Class Piano II 1 hr

MUT 4401 Counterpoint 3 hrs

One course selected from MUC/MUH/MUS/MUT, 3000 level or above

5. Restricted Electives (9 hrs)

Any secondary performance course not in area of major instrument, or

Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation

Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.

Ensemble assignment is by the Ensemble Directors.

Students must take Major Ensemble during each semester at UCF.

Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation

If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.

If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.

Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each Music course.

Computer Competency met by the following or departmental examination:

MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Music Education

Music

Theatre

Certificates

None

Related Minors

Music

Digital Media

Theatre

Advising Notes

None

Transfer Notes

Lower division courses do not substitute for upper division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

None
### Plan of Study (120 hrs)

#### Freshman Year - Fall
- ENC 1101: Composition I 3 hrs
- MUT 1121: Music Theory and Musicianship I 4 hrs
- MVX 1111: Class Piano I 1 hr
- MUS 1010: Music Forum 0 hrs
- MUN XXXX: Major Ensemble 1 hr
- MVX 141X: Performance I 2 hrs
- MUH 3633: Music in the United States 3 hrs

**Total: 14 hrs**

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- MUT 1122: Music Theory and Musicianship II 4 hrs
- MVX 1112: Class Piano II 1 hr
- MUS 2360C: Introduction to Music Technology 3 hrs
- MUS 1010: Music Forum 0 hrs
- MVX 141X: Performance I 1 hr
- MUN XXXX: Major Ensemble 1 hr

**Total: 16 hrs**

#### Sophomore Year - Fall
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- MUT 2126: Music Theory and Musicianship III 4 hrs
- MVX 2121: Class Piano III 1 hr
- MUC 1101C: Composition I 2 hrs
- MUG 3104: Basic Conducting 2 hrs
- MUS 1010: Music Forum 0 hrs
- MUN XXXX: Major Ensemble 1 hr
- MVX 242X: Performance II 2 hrs

**Total: 15 hrs**

#### Sophomore Year - Spring
- MUT 2127: Music Theory and Musicianship IV 4 hrs
- MVX 2122: Class Piano IV 1 hr
- MUC 3104C: Composition II 2 hrs
- MGF 1106: Finite Mathematics 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUN XXXX: Major Ensemble 1 hr
- MVX 242X: Performance II 2 hrs
- MUL 2720: Music of the World 3 hrs

**Total: 16 hrs**

#### Junior Year - Fall
- MUH 3211: Music History and Literature I 3 hrs
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs
- MUC 3105C: Composition III 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUX 3/4XXX: Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX: Major Ensemble 1 hr

**Total: 16 hrs**

#### Junior Year - Spring
- STA 1063C: Basic Statistics Using Microsoft Excel 3 hrs
- MUT 4311: Orchestration 3 hrs
- MUC 3105C: Composition III 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUN XXXX: Major Ensemble 1 hr
- MUX 3/4XXX: Restricted Electives 3 hrs

**Total: 16 hrs**

#### Senior Year - Fall
- MUC 4106C: Composition IV 4 hrs
- MUS 1010: Music Forum 0 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUX 3/4XXX: Restricted Electives 3 hrs

**Total: 13 hrs**

#### Senior Year - Spring
- MUC 4106C: Composition IV 4 hrs
- MUX 4401: Counterpoint 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUC 4950: Composition Recital 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX: Restricted Electives 3 hrs

**Total: 13 hrs**

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/students to see the class piano requirements](http://music.ucf.edu/students).
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.
- A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook ([http://performingarts.cah.ucf.edu/music/resources](http://performingarts.cah.ucf.edu/music/resources)) for details on program standards.

### 1. UCF General Education Program (GEP) (36 hrs)
- (See General Education program for detailed information)

#### A: Communication Foundations (9 hrs)
- Preference SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Take all of the following: 6 hrs
- Required ENC 1101 Composition I and
- Required ENC 1102 Composition II 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from B.1 list
- Required MUL 2720 Music of the World 3 hrs

---

### Admission Requirements
- Audition Requirements for Admission
  - Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to [http://music.cah.ucf.edu/admissions.php](http://music.cah.ucf.edu/admissions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
  - The audition will serve as a placement examination for accepted candidates.

### Professional Sequence Entrance Review
- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include the following:
  - An evaluation of performance skills
  - Completion of Performance I and II
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.
  - This review is a pre-requisite for Performance level III.
  - Completion of the following courses:
    - MUS 2360C Introduction to Music Technology 3 hrs
    - MUT 2127 Music Theory and Musicianship IV 4 hrs

---

### University of Central Florida

**College of Arts and Humanities**

**Department of Music**, Performing Arts Center, Room: M203


**Email:** musicaud@ucf.edu

Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

---

**Undergraduate Catalog 2016-2017**

267
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

E: Science Foundations (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites (CPP) (32 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
- MUS 2360C Introduction to Music Technology 3 hrs
- MUH 3010 Music Forum 0 hrs
- MUH 3633 Music in the United States 3 hrs
- MUL 2720 Music of the World GEP

4. Core Requirements: Advanced Level (24 hrs)
- MUS 3953 Recital Performance I 0 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUG 3040 Basic Conducting 2 hrs
- MUH 3633 Music in the United States 3 hrs
- MUL 2720 Music of the World GEP

5. Restricted Electives (5 hrs)
- Select a course from GEP C.2 list

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- Special Non-Course Requirements:
  - Major Ensemble Participation
    - Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
    - Ensemble assignment is by the Ensemble directors.
    - Students must take Major Ensemble during each semester at UCF.
    - Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women's Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
# UCF Degree Programs

## Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MUS 1111 Class Piano I: 1 hr
- MVK 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs

## Freshman Year - Spring
- ENC 1102 Composition II: 3 hrs
- MUS 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

## Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MVK 2121 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MVX 242X Performance II: 2 hrs

## Sophomore Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- MUL 2720 Music of the World: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr
- MVX 242X Performance II: 2 hrs

## Junior Year - Spring
- MUH 3211 Music History and Literature I: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- Cultural & Historical Foundation: 3 hrs
- MVX 343X Performance III: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN XXXX Minor Ensemble: 1 hr

## Senior Year - Fall
- MUS 1010 Music Forum: 0 hrs
- Social Foundation: 3 hrs
- MUG 3104 Basic Conducting: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

## Program B: Percussion

### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MUS 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUH 3633 Music in the United States: 3 hrs
- MVX 141X Performance I: 2 hrs

### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUS 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- MVX 242X Performance II: 2 hrs

### Sophomore Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- MUL 2720 Music of the World: 3 hrs
- MUN XXXX Major Ensemble: 1 hr

## Professional Sequence Entrance Review

## Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MUX 343X Performance III: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUN XXXX Major Ensemble: 1 hr
<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td></td>
<td>ENC 1101 Composition I</td>
<td>ENC 1102 Composition II</td>
</tr>
<tr>
<td></td>
<td>MUS 1121 Music Theory and</td>
<td>MUS 1122 Music Theory and</td>
</tr>
<tr>
<td></td>
<td>Music and Musicianship I</td>
<td>Music and Musicianship II</td>
</tr>
<tr>
<td></td>
<td>MUN 3453 Piano Ensemble</td>
<td>MUN 3453 Piano Ensemble</td>
</tr>
<tr>
<td></td>
<td>MVK 1111 Class Piano I</td>
<td>MVK 1112 Class Piano II</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>MUN 3633 Music in the</td>
<td>MUN 3633 Music in the</td>
</tr>
<tr>
<td></td>
<td>United States</td>
<td>United States</td>
</tr>
<tr>
<td></td>
<td>MVK 1411 Piano I</td>
<td>MVK 1411 Piano I</td>
</tr>
<tr>
<td></td>
<td>Science Foundation</td>
<td>Science Foundation</td>
</tr>
<tr>
<td><strong>Sophomore</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td></td>
<td>SPC 1608 Fundamentals of</td>
<td>SPC 1608 Fundamentals of</td>
</tr>
<tr>
<td></td>
<td>Oral Communication</td>
<td>Oral Communication</td>
</tr>
<tr>
<td></td>
<td>MUT 2126 Music Theory and</td>
<td>MUT 2126 Music Theory and</td>
</tr>
<tr>
<td></td>
<td>Music and Musicianship I</td>
<td>Music and Musicianship II</td>
</tr>
<tr>
<td></td>
<td>MUN 3453 Piano Ensemble</td>
<td>MUN 3453 Piano Ensemble</td>
</tr>
<tr>
<td></td>
<td>MVK 2121 Class Piano III</td>
<td>MVK 2122 Class Piano IV</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>MUG 3104 Basic Conducting</td>
<td>MUG 3104 Basic Conducting</td>
</tr>
<tr>
<td></td>
<td>STA 1063C Basic Statistics</td>
<td>STA 1063C Basic Statistics</td>
</tr>
<tr>
<td></td>
<td>Using Microsoft Excel</td>
<td>Using Microsoft Excel</td>
</tr>
<tr>
<td></td>
<td>MKV 2421 Piano I</td>
<td>MKV 2421 Piano I</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td></td>
<td>MUT 2127 Music Theory and</td>
<td>MUT 2127 Music Theory and</td>
</tr>
<tr>
<td></td>
<td>Music and Musicianship IV</td>
<td>Music and Musicianship IV</td>
</tr>
<tr>
<td></td>
<td>MUN 3453 Piano Ensemble</td>
<td>MUN 3453 Piano Ensemble</td>
</tr>
<tr>
<td></td>
<td>MVK 2122 Class Piano IV</td>
<td>MVK 2122 Class Piano IV</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>MGF 1106 Finite Mathematics</td>
<td>MGF 1106 Finite Mathematics</td>
</tr>
<tr>
<td></td>
<td>MUL 2720 Music of the World</td>
<td>MUL 2720 Music of the World</td>
</tr>
<tr>
<td></td>
<td>Professional Sequence</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Entrance Review</td>
<td></td>
</tr>
<tr>
<td><strong>Senior</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>MUN 3453 Piano Ensemble</td>
<td>MUN 3453 Piano Ensemble</td>
</tr>
<tr>
<td></td>
<td>MVK 4640 Piano Pedagogy I</td>
<td>MVK 4441 Piano IV</td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>Social Foundation</td>
<td>Social Foundation</td>
</tr>
<tr>
<td></td>
<td>Science Foundation</td>
<td>Science Foundation</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>Free Elective</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td><strong>Fall</strong></td>
<td><strong>Spring</strong></td>
</tr>
<tr>
<td></td>
<td>MUS 1010 Music Forum</td>
<td>MUS 1010 Music Forum</td>
</tr>
<tr>
<td></td>
<td>MUN 3453 Piano Ensemble</td>
<td>MUN 3453 Piano Ensemble</td>
</tr>
<tr>
<td></td>
<td>MVK 3953 Recital Performance I</td>
<td>MVK 3953 Recital Performance I</td>
</tr>
<tr>
<td></td>
<td>MUX 34XXX Restricted</td>
<td>MUX 34XXX Restricted</td>
</tr>
<tr>
<td></td>
<td>Electives</td>
<td>Electives</td>
</tr>
</tbody>
</table>

**Program C: Piano**

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music History and</td>
<td>3</td>
</tr>
<tr>
<td>Literature II</td>
<td></td>
</tr>
<tr>
<td>MUT 3400 Piano</td>
<td>2</td>
</tr>
<tr>
<td>Music I</td>
<td></td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0</td>
</tr>
<tr>
<td>MVK 4571 Analysis of</td>
<td>3</td>
</tr>
<tr>
<td>Twentieth-Century Music</td>
<td></td>
</tr>
<tr>
<td>MVK 3431 Piano II</td>
<td>2</td>
</tr>
<tr>
<td>Cultural &amp; Historical</td>
<td>3</td>
</tr>
<tr>
<td>Foundation</td>
<td></td>
</tr>
<tr>
<td>MUX 34XXX Restricted</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Music History and</td>
<td>3</td>
</tr>
<tr>
<td>Literature II</td>
<td></td>
</tr>
<tr>
<td>MUL 3401 Piano</td>
<td>2</td>
</tr>
<tr>
<td>Literature II</td>
<td></td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0</td>
</tr>
<tr>
<td>MVK 3953 Recital</td>
<td>0</td>
</tr>
<tr>
<td>Performance I</td>
<td></td>
</tr>
<tr>
<td>MVK 3431 Piano III</td>
<td>2</td>
</tr>
<tr>
<td>MUX 34XXX Restricted</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
</tr>
</tbody>
</table>
Senior Year - Spring 10 hrs
MUS 1010   Music Forum 0 hrs
MUS 4954   Recital Performance II 0 hrs
MUN 3487   Guitar Ensemble 1 hr
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs
Free Elective 3 hrs

Program E: Voice

Freshman Year - Fall 15 hrs
ENC 1101   Composition I 3 hrs
MUT 1121   Music Theory and Musicianship I 4 hrs
MUS 1250   IPA for Singers 1 hr
MKV 1112   Class Piano I 1 hr
MUS 1010   Music Forum 0 hrs
MUN 3633   Music in the United States 3 hrs
MVV 1411   Voice I 2 hrs
MUN XXXX   Major Ensemble 1 hr

Freshman Year - Spring 16 hrs
ENC 1102   Composition II 3 hrs
MUT 1122   Music Theory and Musicianship II 4 hrs
MUS 3255   German and English Lyric Diction 2 hrs
MKV 1112   Class Piano II 1 hr
MUS 1010   Music Forum 0 hrs
MUG 3104   Basic Conducting 2 hrs
MVV 2421   Voice II 2 hrs
MUN XXXX   Major Ensemble 1 hr

Sophomore Year - Fall 15 hrs
MGF 1106   Finite Mathematics 3 hrs
MUT 2126   Music Theory and Musicianship III 4 hrs
MUS 3254   Italian and French Lyric Diction 2 hrs
MKV 2121   Class Piano III 1 hr
MUS 1010   Music Forum 0 hrs
MUS 3953   Recital Performance I 0 hrs
MVV 2421   Voice II 2 hrs
MUL 2720   Music of the World 3 hrs
MUN XXXX   Major Ensemble 1 hr

Sophomore Year - Spring 17 hrs
MUT 2127   Music Theory and Musicianship IV 4 hrs
SPC 1608   Fundamentals of Oral Communication 3 hrs
MVK 2122   Class Piano IV 1 hr
MUS 1010   Music Forum 0 hrs
STA 1063C  Basic Statistics Using Microsoft Excel 3 hrs
MVV 2421   Voice III 2 hrs
MUL 2720   Music of the World 3 hrs
MUN XXXX   Major Ensemble 1 hr

Junior Year - Fall 14 hrs
MUN 3211   Music History and Literature I 3 hrs
MUS 1010   Music Forum 0 hrs
MUT 4571   Analysis of Twentieth-Century Music 3 hrs
MVV 3431   Voice III 2 hrs
Foreign Language Elementary Level I 4 hrs
MUN XXXX   Major Ensemble 1 hr
MUN XXXX   Minor Ensemble 1 hr

Junior Year - Spring 14 hrs
MUN 3212   Music History and Literature II 3 hrs
MUS 1010   Music Forum 0 hrs
MUS 3953   Recital Performance I 0 hrs
MVV 3431   Voice III 2 hrs
Cultural & Historical Foundation 3 hrs
Foreign Language Elementary Level II 4 hrs
MUN XXXX   Major Ensemble 1 hr
MUN XXXX   Minor Ensemble 1 hr

Senior Year - Fall 13 hrs
MVV 4640   Voice Pedagogy 2 hrs
MUS 1010   Music Forum 0 hrs
MVV 4441   Voice IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUN XXXX   Major Ensemble 1 hr

Senior Year - Spring 14 hrs
MUL 3602   Song Literature 3 hrs
MUS 1010   Music Forum 0 hrs
MUS 4954   Recital Performance II 0 hrs
MVV 4441   Voice IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUN XXXX   Major Ensemble 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alacademic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music Education (B.M.E.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

Admission Requirements

Admission Requirements - Music Education
- Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 2005, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:
- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2016-2017

271
UCF Degree Programs

Notes:
1. (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
2. (2) Students who change degree programs and select this major must adopt the most current catalog.
3. (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements
1. A cumulative minimum GPA of 3.00 based upon all courses required in the major as well as all courses taken in music is required. Failure to maintain this standard may result in program probation or dismissal. Please refer to the SPA Student Handbook (http://performingarts.cah.ucf.edu/music/resources) for details on program standards.

1. UCF General Education Program (GEP) (36 hrs)
   (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)
   Prefer SPC 1609 Fundamentals of Oral Communication 3 hrs
   Take all of the following:
   Required ENC 1101 Composition I and 3 hrs
   Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   Required MUH 3212 Music History and Literature II 3 hrs
   Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   Required MUL 2720 Music of the World 3 hrs

C: Mathematical Foundations (6 hrs)
   Math 3 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers (3 hrs)
   Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
   Prefer ANH 2020 U.S. History: 1877-Present 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
   Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2050 Introduction to the Teaching Profession 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MUN XXXX Major Ensembles (4 semesters) 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

1. 4 semesters

3. Core Requirements: Basic Level (5 hrs)
   1 MUS 1010 Music Forum 3 hrs
   MUT 1121 Music Theory and Musicianship I 3 hrs
   MUT 1122 Music Theory and Musicianship II 3 hrs
   MUT 2126 Music Theory and Musicianship III 3 hrs
   MUT 2127 Music Theory and Musicianship IV 3 hrs
   MVK 2122 Class Piano IV 3 hrs
   MUH 3633 Music in the United States 3 hrs
   MUL 2720 Music of the World 3 hrs
   MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs
   MVX 242X Performance II (2 semesters) 2 hrs
   MVX 141X Performance I (2 semesters) 2 hrs
   MUN XXXX Major Ensembles (4 semesters) 2 hrs
1 4 semesters

1. 6 total hours of major ensemble (MUN XXXX) required; 4 hours are reflected in the CPP and 2 hours are reflected in the Core: Basic Level.

4. Core Requirements: Advanced Level (29 hrs)
   MUG 3104 Basic Conducting 2 hrs
   MUH 3211 Music History and Literature I 3 hrs
   MUH 3212 Music History and Literature II 3 hrs
   MUE 3942 Music Internship I 3 hrs
   MUE 3333 Music Learning Theory and Assessment 3 hrs
   MUE 4311 Elementary School Music Methods 2 hrs
   MVX 343X Performance III (2 Semesters) 4 hrs

Education Core (12 hrs)
EDG 4410 Teaching Strategies and Classroom Management and 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL in the Classroom 3 hrs
EDE 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 12 hrs

5. Restricted Electives (26 hrs)
   Music Education Specialty Area Courses and Professional Program Courses
   Complete one program

Program A - Instrumental
   MUE 2346 Vocal Techniques 1 hr
   MUG 3302 Instrumental Conducting and Materials 2 hrs
   MUE 4332 Secondary Instrumental Methods I 3 hrs
   MUE 4943 Music Internship II 12 hrs

Select 1: 3 hrs
   MUE 4337 Secondary Instrumental Methods II or 3 hrs
   MUE 4441 String Methods 3 hrs

Select 5: 5 hrs
   MUE 2450 Woodwind Techniques I or 1 hr
   MUE 3451 Woodwind Techniques II or 1 hr
   MUE 2460 Brass Techniques or 1 hr
   MUE 3461 Brass Techniques II or 1 hr
   MUE 2470 Percussion Techniques or 1 hr
   MUE 2471 Percussion Techniques II or 1 hr
   MUE 2440 Strings Techniques 1 hr

Program B - Choral
   MUS 1230 IPA for Singers 1 hr
   MUG 3020 Choral Conducting and Materials 2 hrs
   MUV 4640 Voice Pedagogy 2 hrs
   MUE 4331 Secondary Choral Methods I 3 hrs
   MUE 4335 Secondary Choral Methods II 3 hrs
   MUE 4943 Music Internship II 12 hrs

Select 3: 3 hrs
   MUE 2450 Woodwind Techniques I or 1 hr
   MUE 3451 Woodwind Techniques II or 1 hr
   MUE 2460 Brass Techniques or 1 hr
   MUE 3461 Brass Techniques II or 1 hr
   MUE 2470 Percussion Techniques or 1 hr
   MUE 4741 Percussion Techniques II or 1 hr
   MUE 4440 Strings Techniques 1 hr

Program C - Elementary School
   MUE 2346 Vocal Techniques 1 hr
   MUE 4333 Music and Students with Special Needs 2 hrs
   MUE 3353 General Music Literature and Techniques 2 hrs
   MUE 4331 Secondary Choral Methods I 3 hrs
   MUE 4943 Music Internship II 12 hrs
   MUG 3X02 Choral or Instrumental Conducting and Materials 2 hrs

Select 4: 4 hrs
   MUE 2450 Woodwind Techniques I or 1 hr
   MUE 3451 Woodwind Techniques II or 1 hr
   MUE 2460 Brass Techniques or 1 hr
   MUE 3461 Brass Techniques II or 1 hr
6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5.
- Possess minimum specialization GPA of 2.5.
- Achieve a “C” or better in all prerequisite methods/specialization courses.
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) and Music Internship II (MUE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:

- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements

- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).

- Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation

- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals

- Students must complete a faculty-approved public recital fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

Music Education Forums

- Attendance at all Music Education Forums (except during Internship I and II) is expected.

Public School Partnerships

- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors

None

11. Departmental Exit Requirements

- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information).
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.

Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.

- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

134
## UCF Degree Programs

### Honors In Major
- None

### Related Programs
- Music
- Theatre

### Certificates
- Florida Teaching Certification: Music K-12

### Related Minors
- Music
- Theatre

### Advising Notes
- Consult with the music education advisor for course selection.

### Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- NOTE: Education majors are required to take six hours of Diversity Focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Take General Knowledge Test after spring semester of Freshman year.
- Apply for Professional Program after spring semester of Sophomore year.
- As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
- Program A - Instrumental Program K-12:

#### Freshman Year - Fall 18 hrs
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MKV 1111** Class Piano I 1 hr
- **MUE 2346** Vocal Techniques 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools
- GEP 3 hrs
- GE 3 hrs

#### Freshman Year - Spring 18 hrs
- **MUH 3633** Music in the United States 3 hrs
- **MKV 1112** Class Piano II 1 hr
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MUS 1010** Music Forum 0 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **MVX 141X** Intro to Music Literature 3 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Sophomore Year - Fall 16 hrs
- **MUT 2126** Music Theory and Musicianship III 4 hrs
- **MVK 2112** Class Piano III 1 hr
- **MUH 3212** Music History and Literature I 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUL 2720** Music of the World 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Sophomore Year - Spring 16 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2112** Class Piano IV 1 hr
- **MUH 3212** Music History and Literature II 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUE XXXX** Techniques 1 hr
- **MUE XXXX** Techniques 1 hr
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Junior Year - Fall 15 hrs
- **MUG 3104** Basic Conducting 2 hrs
- **MUE 4332** Secondary Instrumental Methods I 3 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUE XXXX** Techniques 1 hr
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Junior Year - Spring 16 hrs
- **MUG 3302** Instrumental Conducting and Materials 1 hr
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **MUS 1010** Music Forum 0 hrs
- **MUS 3653** Recital Performance I 0 hrs

#### Select 1: 3 hrs
- **MUE 4335** Secondary Choral Methods II or 3 hrs
- **MUE 4441** String Methods 3 hrs
- **GEP** 3 hrs
- **MVX 343X** Performance III 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Senior Year - Fall 14 hrs
- **ESE 3940** Internship I - Secondary 3 hrs
- **MUE 3333** Music Learning Theory and Assessment 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- **MUE 4311** Elementary School Music Methods 2 hrs
- **GEP** 3 hrs
- **CMENC** 3 hrs
- **CMENC** 3 hrs

#### Senior Year - Spring 10 hrs
- **ESE 4943** Internship II - Secondary 7 hrs
- **GEP** 3 hrs
- **CMENC** 3 hrs

#### Senior Year - Summer 9 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

#### Program B - Choral Program K-12

#### Freshman Year - Fall 18 hrs
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **MUT 1121** Music Theory and Musicianship I 4 hrs
- **MKV 1111** Class Piano I 1 hr
- **MUS 1010** Music Forum 0 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Freshman Year - Spring 18 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **MUT 2127** Music Theory and Musicianship IV 4 hrs
- **MVK 2112** Class Piano IV 1 hr
- **MUS 1010** Music Forum 0 hrs
- **MUE XXXX** Techniques 1 hr
- **MUE XXXX** Techniques 1 hr
- **MVX 242X** Performance II 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Freshman Year - Fall 17 hrs
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MVK 1112** Class Piano II 1 hr
- **MUS 1010** Music Forum 0 hrs
- **GEP** 6 hrs
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Freshman Year - Spring 17 hrs
- **MUT 1122** Music Theory and Musicianship II 4 hrs
- **MVK 1112** Class Piano II 1 hr
- **MUS 1010** Music Forum 0 hrs
- **GEP** 6 hrs
- **MVX 141X** Performance I 2 hrs
- **MUN XXXX** Ensemble 1 hr
- CMENC/Schools

#### Freshman Year - Spring 17 hrs
- **MUH 3633** Music in the United States 3 hrs

---

**UNIVERSITY OF CENTRAL FLORIDA**

274 Undergraduate Catalog 2016-2017
### Sophomore Year - Fall
- **MUS 1010**: Music Forum (0 hrs)
- **MUT 2126**: Music Theory and Musicianship III (4 hrs)
- **MVK 2121**: Class Piano III (1 hr)
- **MUH 3211**: Music History and Literature I (3 hrs)
- **MUL 2720**: Music of the World (3 hrs)
- **MUE XXXX**: Techniques (1 hr)
- **MVX 242X Performance II** (2 hrs)
- **MUN XXXX Ensemble** (1 hr)

**CMENC/Schools**

### Sophomore Year - Spring
- **MUS 1010**: Music Forum (0 hrs)
- **EDF 2085**: Introduction to Diversity for Educators (3 hrs)
- **MUT 2127**: Music Theory and Musicianship IV (4 hrs)
- **MVK 2122**: Class Piano IV (1 hr)
- **MUH 3212**: Music History and Literature II (3 hrs)
- **MUE XXXX**: Techniques (1 hr)
- **MVX 242X Performance II** (2 hrs)
- **MUN XXXX Ensemble** (1 hr)

**CMENC/Schools**

### Junior Year - Fall
- **ESE 3940**: Internship I - Secondary (3 hrs)
- **MUE 3333**: Music Learning Theory and Assessment (3 hrs)
- **MUE 4311**: Elementary School Music Methods (2 hrs)
- **TSL 4080**: Theory and Practice of Teaching ESOL (3 hrs)

**CMENC**

### Junior Year - Spring
- **ESE 3940**: Internship I - Secondary (3 hrs)
- **MUE 3333**: Music Learning Theory and Assessment (3 hrs)
- **MUE 4311**: Elementary School Music Methods (2 hrs)
- **TSL 4080**: Theory and Practice of Teaching ESOL (3 hrs)

**CMENC**

### Senior Year - Fall
- **ESE 3940**: Internship I - Secondary (3 hrs)
- **MUE 3333**: Music Learning Theory and Assessment (3 hrs)

**Select 1:**
- **MUE 4331**: Secondary Choral Methods I or
- **MUE 4333**: Secondary Choral Methods II
- **MUG 3202**: Choral Conducting and Materials
- **MUS 2360C**: Introduction to Music Technology

**CMENC**

### Senior Year - Spring
- **ESE 4940**: Internship II - Secondary (7 hrs)
- **MUE 4943**: Music Internship II (12 hrs)
- **GEP**: (3 hrs)

**CMENC**

### Program C - Elementary Program
### Freshman Year - Fall
- **EDF 2005**: Introduction to the Teaching Profession (3 hrs)
- **MUT 1121**: Music Theory and Musicianship I (4 hrs)
- **MVK 1111**: Class Piano I (1 hr)
- **MUE 2346**: Vocal Techniques (1 hr)
- **MUS 1010**: Music Forum (0 hrs)
- **GEQ**: (6 hrs)

**CMENC/Schools**

### Freshman Year - Spring
- **MUH 3633**: Music in the United States (3 hrs)
- **MUT 1122**: Music Theory and Musicianship II (4 hrs)
- **MUS 1010**: Music Forum (0 hrs)
- **GEP**: (6 hrs)

**CMENC/Schools**
### UCF Degree Programs

**Nursing (B.S.N.)**
**College of Nursing**
**UTWR, Room: 3rd floor**
[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

**Email:** ucnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leil, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses. The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program.

Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with an academic advisor. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN).

The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

#### Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
- Admission to the University must also be completed by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or better in each course.
- All 8 prerequisite courses must be completed before program begins.

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.
- UCF Residency Requirement: 30 hours

#### Program Prerequisites

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUN 3011</td>
<td>Human Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HUN 3065L</td>
<td>Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3028</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3616L</td>
<td>Health Promotion Across the Lifespan</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3125</td>
<td>Pathophysiology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3145</td>
<td>Pharmacology for Nursing Practice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Degree Requirements

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. UCF General Education Program (GEP)</td>
<td>38 hrs</td>
</tr>
<tr>
<td>- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.</td>
<td></td>
</tr>
<tr>
<td>A: Communication Foundations (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations (6 hrs)</td>
<td></td>
</tr>
<tr>
<td>1. Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- You may substitute a higher level math with appropriate scores on the Math Placement Test.</td>
<td></td>
</tr>
<tr>
<td>- Prefer MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- Required STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Economics/Political Science (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>4. Social Sciences (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>- Prefer SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Science Foundations (8 hrs)</td>
<td></td>
</tr>
<tr>
<td>1. Physical Sciences</td>
<td>3 hrs</td>
</tr>
<tr>
<td>- Suggested CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. Life Sciences</td>
<td>4 hrs</td>
</tr>
<tr>
<td>- Required BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>21 hrs</td>
</tr>
<tr>
<td>- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.</td>
<td></td>
</tr>
<tr>
<td>- Some of these courses have prerequisites that must be taken first.</td>
<td></td>
</tr>
<tr>
<td>- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.</td>
<td></td>
</tr>
<tr>
<td>- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at <a href="http://www.nursing.ucf.edu">http://www.nursing.ucf.edu</a>.</td>
<td></td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics or GEP</td>
<td></td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I GEP</td>
<td></td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 2003 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology or SYG 2000 Introduction to Sociology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1 or other approved Science

3. Core Requirements: Basic Level

| None |

4. Core Requirements: Advanced Level (62 hrs)

| None |

- Any variation from the following must be approved in advance by the College of Nursing.
- NUR 3065 Health Assessment                     | 2 hrs |
- NUR 3065L Health Assessment Lab                | 1 hr  |
- NUR 3028 Essentials of Nursing Practice        | 3 hrs |
- NUR 3755L Essentials of Nursing Practice Clinical | 2 hrs |
- NUR 3028L Essentials of Nursing Practice Lab    | 1 hr  |
- NUR 3616 Health Promotion Across the Lifespan  | 2 hrs |
- NUR 3616L Health Promotion Across the Lifespan  | 1 hr  |
### UCF Degree Programs

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- Aging Studies

**Related Minors**
- Psychology
- Health Sciences
- Health Services Administration

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- The following substitutions for Common Program Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.
- CHM 1032: May substitute a college Chemistry course or approved Science course.
- DEP 2004C: May substitute a Human Growth & Development across Life Span
- HUN 3011: May substitute a Human Nutrition course
- MCB 2004C: May substitute a General Microbiology course which has a lab.
- PCB 3703C: May take an Anatomy and Physiology sequence (AP I & II).
- PSY 2012: May substitute a General Psychology course.
- STA 2014C: May substitute a Statistics course.
- SYG 2000: May substitute an Introductory Sociology course.
- ZOO 3733C: May take an Anatomy and Physiology sequence (AP I & II).

### Plan of Study

**Freshman Year - Fall**
- MAC 1105C College Algebra 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs
- Select 1:
  - SYG 2000 Introduction to Sociology or 3 hrs
  - PSY 2012 General Psychology 3 hrs
- 1 General Education or SLS 1501

**Freshman Year - Spring**
- STA 2023 Statistical Methods I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- GEP 3 hrs
- Select 1:
  - DEP 2004 Developmental Psychology or 3 hrs
  - SOW 3104 Human Behavior and the Social Environment I 3 hrs
- 2 General Education Course

**Freshman Year - Summer**
- MCB 2004C Microbiology for Health Professionals 4 hrs

**Sophomore Year - Fall**
- ZOO 3733C Human Anatomy 4 hrs
- GEP 3 hrs
- HUN 3011 Human Nutrition 3 hrs
- GEP 3 hrs

**Sophomore Year - Spring**
- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs
- GEP 3 hrs

### Nursing Electives
- One College of Nursing elective

### Capstone Requirements
- None

### Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

### Additional Requirements
- Students pursuing a BS degree must meet the University foreign language admission requirements before admission.
- Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
- Students must:
  - Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.

### Required Minors
- None

### Departmental Exit Requirements
- All courses in major must be “C” (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

### University Minimum Exit Requirements
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
- Total Semester Hours Required: 120

### Honors In Major

**Honors Option Requires:**
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

---

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3816</td>
<td>Professional Nurse Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3816</td>
<td>Professional Nurse Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3165</td>
<td>Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4227L</td>
<td>Nursing Care of the Adult II: Clinical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535</td>
<td>Psychiatric Mental Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4535L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4257</td>
<td>Introduction to Critical Care Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4945L</td>
<td>Nursing Practicum</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4637L</td>
<td>Public Health Nursing Clinical</td>
<td>1 hr</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Junior Year - Fall 15 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring 15 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3816 Professional Nurse Seminar 1 hr

Junior Year - Summer 9 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 2 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 14 hrs
NUR 4245 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Psychiatric Mental Health Clinical 2 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)
College of Nursing
UTWR- 3rd Floor
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Stephen Heglund, Concurrent Program Coordinator
Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Students must make separate application to UCF and the College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to the Concurrent A.S.N. to B.S.N. application deadline. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening may be required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Completed application to a Florida College System institution ASN Nursing program and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.

- Completed seven out of eight Common Program Prerequisite courses for UCF and all of the ASN nursing program’s prerequisites by application deadline with at least a grade of "C" (2.0) or better in each course.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs
   Select 1:
   Required STA 2014C Principles of Statistics or 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
   Select 1:
   Prefer SYG 2000 Introduction to Sociology or 3 hrs
   Prefer PSY 2012 General Psychology 3 hrs
   E: Science Foundations (7 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 1032 General Chemistry 3 hrs

1 Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
2 or other Physical Science
2. Common Program Prerequisites (CPP) (18 hrs)

- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

1 CHM 1032 General Chemistry 4 hrs
1 ZOO 3733C Human Anatomy 4 hrs
2 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

Select 1:
1 STA 2023 Statistical Methods I or GEP 3 hrs
1 STA 2014C Principles of Statistics GEP

Select 1:
3 STA 3104 Human Behavior and the Social Environment I or 3 hrs
DEP 2004 Developmental Psychology 3 hrs

Select 1:
1 PSY 2012 General Psychology or GEP 3 hrs
1 SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence (AP I & II) of eight total credits.
3 Also meets General Education Requirements; Applicants should see an advisor.

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (57 hrs)

Seminole State Concurrent Track 28 hrs
NUR 3805 Professional Socialization Seminar 1 hr
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4937 Health Care Issues, Policy, and Economics 3 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Valencia College Concurrent Track 28 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3905 Dimensions of Professional Nursing Practice 3 hrs
NUR 3806 Professional Socialization Seminar 1 hr
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3165 Nursing Research 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs

Upper Division Credit 29 hrs

- Upper Division Credit may be met by Validation and RN License.

NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3753C Essentials of Nursing Practice Clinical 2 hrs
NUR 3225 Nursing Care of the Adult I: Clinical Practice 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)

- Any one upper division nursing elective

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to program start.

Graduation

- None

8. Electives

- variable to meet degree requirements

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of "C" (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
- Current licensure as an RN.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- See Nursing HIM Advisor

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (31 hrs)

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Mary Lou Sole, Dean
Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://distrib.ucf.edu/home and http://www.nursing.ucf.edu.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must be completed by the program application deadline.
- All applicants must have graduated from an approved or accredited associate degree or diploma nursing program.
- All applicants must have current Licensure as an RN.
- All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of "C" (2.0) or better in each course.
- All applicants must have a minimum overall GPA of 2.8.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs
   Select 1:
   Required STA 2014C Principles of Statistics or
   Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
   Select a course from GEP Section D1.
   Select 1:
   1 Required SYG 2000 Introduction to Sociology or
   1 Required PSY 2012 General Psychology 3 hrs
   1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
   Required: BSC 2010C Biology I 4 hrs
   1 Required: CHM 1032 General Chemistry 3 hrs
   1 Science Foundation is 6 credit hours for General Education Program.
   The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition(HUN 3011)

2. Common Program Prerequisites (CPP) (18 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   Select 1:
   1 PSY 2012 General Psychology or GEP
   1 SYG 2000 Introduction to Sociology or GEP
   MCB 2004C Microbiology for Health Professionals 4 hrs
   2 CHM 1032 General Chemistry GEP
   2 ZOO 3733C Human Anatomy 4 hrs
   3 PCB 3703C Human Physiology 4 hrs
   HUN 3011 Human Nutrition 3 hrs
   Select 1:
   1 STA 2014C Principles of Statistics or
   STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (56 hrs)
   UCF Core
   NUR 3005 Dimensions of Professional Nursing Practice 3 hrs
   NUR 3065 Health Assessment 2 hrs
   NUR 3065L Health Assessment Lab 1 hr
   NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   NUR 3165 Nursing Research 3 hrs
   NUR 3161 Health Promotion Across the Lifespan 2 hrs
   NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 4604L Practicum in Community and Public Health 4 hrs
   NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   NUR 4637 Public and Community Health Nursing 3 hrs

Upper Division Credit 29 hrs

- Upper Division Credit may be met by Validation and RN License.
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 4 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 427L  Nursing Care of the Adult II: Clinical  Practice  3 hrs
NUR 4535  Psychiatric Mental Health Nursing  3 hrs
NUR 4535L  Psychiatric Mental Health Clinical  2 hrs

5. Restricted Electives  (3 hrs)
   Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
   Two years of one foreign language in high school, or
   one year of one foreign language in college (or equivalent
   proficiency exam) prior to enrollment in third semester in the
   BSN program.

Graduation
   None

8. Electives
   Variable to meet degree requirements

9. Additional Requirements
   Progression Requirements:
   A criminal background check and mandatory Drug
   Screening may be required prior to any clinical course and
   “on demand” for continuation in the program.
   Complete all courses in major with at least a “C” (2.0).
   Maintain a UCF GPA of 2.5 or above.
   Maintain a College of Nursing GPA of 2.5 or above.
   Prior to third semester in the BSN program: 1) complete general education requirements or A.A. from a Florida
   College System or State University System institution; and
   2) complete foreign language admission requirement.
   Other:
   Selected courses may be offered at various Orlando
   and regional campuses.
   All RN to BSN courses are available online. Some
   classes and labs are also available in person on select
   campuses. Clinical practice requirements are completed in
   the student’s home community. For more information visit
   A maximum of 6 upper division credit hours of Nursing
   courses may be transferred from another institution.

10. Required Minors
   None

11. Departmental Exit Requirements
   Completion of all courses in major with a grade of “C”
   (2.0) or better
   Overall cumulative GPA of 2.5 or above
   College of Nursing GPA of 2.5 or above
   This program must be completed in no more than seven
   years from enrollment in the first BSN course within Core
   Requirements.

12. University Minimum Exit Requirements
   A 2.0 UCF GPA
   60 semester hours earned after CLEP awarded
   40 semester hours of upper division credit completed
   30 of the last 39 hours of course work must be
   completed in residency at UCF.
   A maximum of 45 hours of extension, correspondence,
   CLEP, Credit by Exam, and Armed Forces credits permitted.
   Complete the General Education Program, the Gordon
   Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors in Major
   Contact Program Coordinator or HIM Advisor

Related Programs
   Health Services Administration
   Social Work

Certificates
   Aging Studies

Related Minors
   Health Sciences
   Health Information Management
   Health Services Administration
   Psychology

Advising Notes
   Students are required to design an individual plan of
   study with an advisor. An example plan is noted below. Any
   changes to that plan must be made in consultation with the
   advisor. Failure to do so may result in a delay of program
   progression and/or graduation.

Transfer Notes
   None

Acceptable Substitutes for Transfer Courses
   None

Plan of Study  (30 hrs)
   Assuming general education, foreign language, and
   nursing prerequisites are complete

Junior Year - Fall
   NUR 3805  Dimensions of Professional Nursing  Practice  3 hrs
   NUR 3125  Pathophysiology for Nursing Practice  3 hrs

Junior Year - Spring
   NUR 3165  Education for Nurses  3 hrs
   NUR 3065  Health Assessment  3 hrs
   NUR 3065L  Health Assessment Lab  1 hr

Junior Year - Summer
   NUR 4637  Public and Community Health Nursing  3 hrs
   NUR 4637  Health Issues, Policy, and Economics  3 hrs

Senior Year - Fall
   NUR 4528  Nursing Leadership, Management and Role  Transition  3 hrs
   NUR/NSP XXXX Nursing Elective  3 hrs

Senior Year - Spring
   NUR 4604L  Practicum in Community and Public Health  4 hrs
   NUR 3616  Health Promotion Across the Lifespan  2 hrs

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning
   outcomes) for undergraduate programs are located at:
   http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   Part-Time Student: $25 per term
   Full-Time Student: $50 per term

Philosophy (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: Philosophy2@ucf.edu
Dr. Don Jones, donjones@ucf.edu
Phone: 407-823-2273

The B.A. program in Philosophy aims to provide students with the
theoretical skills and knowledge to engage with the complex issues
of our time. It centers on the principles of knowledge, responsibility,
and society, and it provides students with opportunities to investigate
the connections between intellectual pursuits and moral and public
virtue.

Admission Requirements
   None

Degree Requirements
   Students who change degree programs and select this
   major must adopt the most current catalog.
   Students must earn at least a “C” (2.0) in each required
   course.
UCF Degree Programs

- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required PHI 2010 Introduction to Philosophy 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select 2: 6 hrs
  - HUM 2200 Encountering the Humanities or
  - HUM 2210 Humanistic Tradition I or
  - HUM 2230 Humanistic Tradition II or
  - REL 2300 World Religions

C: Mathematical Foundations (6 hrs)
- Math 6 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics

You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
- Select a course from GEP C.2 list 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (9 hrs)
- PHI 2010 Introduction to Philosophy GEP

Select 2:
- HUM 2200 Encountering the Humanities or GEP
- HUM 2210 Humanistic Tradition I or GEP
- HUM 2230 Humanistic Tradition II or GEP
- REL 2300 World Religions GEP

4. Core Requirements: Advanced Level (36 hrs)
- Core 6 hrs
  - PHI 3083 Research Methods in Philosophy 3 hrs
  - PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning (6 hrs)
Select 2:
- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 2647 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II 3 hrs

History of Philosophy (9 hrs)
Select 2:
- PHH 3100 Ancient Philosophy or 3 hrs
- PHH 3200 Medieval Philosophy or 3 hrs
- PHH 3460 Modern Western Philosophy 3 hrs

Select 1:
- PHH 3600 Contemporary Philosophy or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHH 3700 American Philosophy or 3 hrs
- PHH 3790 African Philosophy 3 hrs

Values and Society (6 hrs)
Select 2:
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs

Being and Knowing (6 hrs)
Select 2:
- PHI 4500 Metaphysics or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4420 Philosophy of Social Science or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs

Topics in Philosophy (3 hrs)
Select 1:
- PHI 4531 Philosophy in the News or 3 hrs
- PHI 4321 Philosophy of Embodiment: Mind/Body/Self or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHI 3750 The Problem of Evil or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- HUM 4350 Performance Theory or 3 hrs
- PHI 4935 Topics in Philosophy of Mind or 3 hrs
- PHP 4933 Key Concepts in Philosophy or 3 hrs
- PHP 4931 Key Figures in Philosophy 3 hrs

5. Restricted Electives (6 hrs)
Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in
- GPA of at least 3.5.
- Maintain UCF GPA of at least 3.2 and a Philosophy
- A maximum of 45 hours of extension, correspondence,
- Complete the General Education Program, the Gordon
- 30 of the last 39 hours of course work must be
- A 2.0 UCF GPA
- University Minimum Exit Requirements
- 120
- Honors In Major
- Students considering graduate school in philosophy
- Required courses are as follows:
- Core Requirements 36 hrs
- Same requirements as for regular majors, but must
- Upper Division Restricted Electives 6 hrs
- Same requirements as for regular majors
- Honors Thesis
- PHI 4938 Senior Research Seminar or
- PHI 4970 Undergraduate Honors Thesis or
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence,
- GPA of at least 3.2 and a Philosophy
- GPA of at least 3.5.
- Successful completion of the University Honors Program
- Earn a “B” (3.0) or better in both of the following
- Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Certificates
- None
- Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Women’s Studies
- Advising Notes
- None
- Transfer Notes
- Lower division courses do not substitute for upper
- Courses transferred from private and out-of-state
- Schools must be evaluated for equivalency credit. The
- Acceptable Substitutes for Transfer Courses
- None
UCF Degree Programs

and studio applications of the human image are critical in the
education of Visual Art and Art History students. To develop such an
understanding, school courses often utilize images of clothed and
unclothed human figures and, in certain studio classes, live nude
models.

Admission Requirements

■ Completion of an A.S. in Photographic Technology from
Daytona State College or equivalent coursework.

Degree Requirements

■ Students who change degree programs and select this
major must adopt the most current catalog.
■ Departmental Residency Requirement consists of at
least 36 semester hours of regularly scheduled 3000-4000
level courses taken from the UCF School of Visual Arts and
Design.
■ Students must earn at least a “C” (2.0) in each required
upper level course and maintain an overall GPA of at least
2.0
■ Upper-division electives, internship credit, and course
substitutions must be approved by the program director.
■ Students should consult with a Photography advisor
before selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (36 hrs)

■ Students who have not satisfied General Education
Requirements before transferring will complete the
remaining courses at UCF. The specific courses will depend
on the general education courses completed as part of the
articulated A.S., and will come from the following areas:

A: Communication Foundations (9 hrs)

1 Required ENC 1101 Composition I 3 hrs
2 Required ENC 1102 Composition II 3 hrs
3 SPC 2600 Speech (A.S.) 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance
into the program.

B: Cultural & Historical Foundations (9 hrs)

1 Required ARH 2051 History of Western Art II 3 hrs

1 If not already completed as part of the A.S. degree, after acceptance
into the program.

C: Mathematical Foundations (6 hrs)

If not already completed as part of the A.S.
degree, after acceptance into the program.

Required MAC 1105C College Algebra or
MGF 2106 College Mathematics or
MGF 2107 Mathematics for Liberal Arts
Computer Science or Statistics

3 hrs
3 hrs
3 hrs

D: Social Foundations (6 hrs)

Political Science or Economics 3 hrs
Psychology or Sociology (If not already completed as part
of the A.S. degree, after acceptance into the program.)
3 hrs

E: Science Foundations (6 hrs)

Physical Science 3 hrs
Life Science 3 hrs

2. Common Program Prerequisites (CPP)

■ (Included in A.S. or B.S. requirements.)
■ See “Common Prerequisites” in the Transfer and
Transitions Services section for more information.
■ Subject to change. Prerequisites have not been set by
the state.

1 ARH 2051 History of Western Art II GEP
2 PGY 3651C Narrative Editorial Photography 3 hrs
3 PGY 1403 Fundamentals of Photography (Already
included in A.S. requirements)

1 Already included in A.S. requirements.
2 Already included in B.S. requirements.

3. Core Requirements: Basic Level (49 hrs)

■ Completed in the A.S. in Photographic Technology at
Daytona State College, or equivalent coursework

4. Core Requirements: Advanced Level (33 hrs)

PGY 3002 Contemporary Photography 3 hrs
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3276 The Professional Environment 3 hrs
PGY 3472C Photo Visualization 3 hrs
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 4033 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs
PGY 4471C Photography Thesis 3 hrs
PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:

CRW 3011 Creative Writing for Non-Majors or
ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)

Select two of the following courses:

PGY 3451C Alternative Processes 3 hrs
PGY 3480 Museum and Gallery Practices 3 hrs
PGY 3703C Photography & the Web 3 hrs
PGY 4235C Professional Photographic Workshop 3 hrs
PGY 4493C Photography and Art 3 hrs
PGY 4941 Internship 3 hrs

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or
one year of one foreign language in college (or equivalent
proficiency exam) prior to graduation.

Graduation

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ None

12. University Minimum Exit Requirements

■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be
completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence,
CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon
Rule, and nine hours of Summer credit.

Total Semester Hours Required

127

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

http://svad.cah.ucf.edu/bsphotography

Transfer Notes

■ Students transferring from any Florida public institution
with an A.A. degree or with general education program
(GEP) requirements of that institution met have thereby
satisfied UCF GEP requirements.
■ Lower division courses do not substitute for upper
division courses.
■ Transfer courses must be evaluated for equivalency
credit and/or for use in the area by the department. The
student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study

Freshman Year - Fall
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Spring
Daytona State College - Photo Technology AS Degree Program

Freshman Year - Summer
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Fall
Daytona State College - Photo Technology AS Degree Program

Sophomore Year - Spring
Daytona State College - Photo Technology AS Degree Program

Junior Year - Fall
PGY 3205C Photographic Lighting Techniques 3 hrs
PGY 3821C Advanced Digital Photography 3 hrs
PGY 3472C Photo Visualization 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring
PGY 3002 Contemporary Photography 3 hrs
PGY 3651C Narrative Editorial Photography 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Summer
ENC 3250 Professional Writing 3 hrs

Senior Year - Fall
PGY 3653C Advanced Editorial Photography 3 hrs
PGY 3751C Videography 3 hrs
PGY 4003 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs

Senior Year - Spring
PGY 3276 The Professional Environment 3 hrs
PGY 4471C Photography Thesis 3 hrs
PGY Restricted Elective 3 hrs
PGY Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Photonic Science and Engineering (B.S.P.S.E.)
College of Optics and Photonics
CREOL, Room: 108B
Phone: 407-823-6376

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF’s internationally recognized strengths in the field of optics and lasers, and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, including STA 3032 and PHY 3101, together with the photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.
- Students in the BSPSE Major must obtain a 2.0 or greater GPA in the following courses: EGN 3211, EEL 3004C, and EEL 3123C.

1. UCF General Education Program (GEP) (38 hrs)
- Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2020 Encountering the Humanities 3 hrs

Select 1: 3 hrs
- Suggested MUL 2010 Enjoyment of Music or THE 2000 Theatre Survey 3 hrs
- Suggested PHI 2010 Introduction to Philosophy or PHI 2020 Ethics 3 hrs
- Select one additional class from either Historical or Cultural Foundations 3 hrs
### 2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida postsecondary schools and may be transferred directly to UCF programs.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
<td>EGN 2011 or EGR 2004</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
<td>EGR 2004 or EGR 2011</td>
</tr>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2048C General Physics Using Calculus I</td>
<td>3 hrs</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440 Principles of Chemistry or</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>CHM 2054C Chemistry Fundamentals I</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better is required in these courses to enroll in PSE major courses.

### 3. Core Requirements: Basic Level (14 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statistics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 3052 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics or</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EGN 3359 Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better required.

### 4. Core Requirements: Advanced Level (42 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3004C Electrical Networks</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 A “C” (2.0) or better required.

### Photonics Requirements (28 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 3200 Geometric Optics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 3052 Introduction to Photonics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 305L Introduction to Photonics Laboratory</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>OSE 3053 Electromagnetic Waves for Photonics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4520 Laser Engineering</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4520L Laser Engineering Laboratory</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>OSE 4410 Optoelectronics</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4410L Optoelectronics Laboratory</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>OSE 4470 Fiber-Optic Communications</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4470L Fiber-Optic Communications Laboratory</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>OSE 4830 Imaging and Display</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4830L Imaging and Display Laboratory</td>
<td>1 hr</td>
<td></td>
</tr>
<tr>
<td>OSE 4830 Frontiers of Optics and Photonics</td>
<td>2 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (9 hrs)

- Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor.

### 6. Capstone Requirements (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4951 Senior Design I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>OSE 4952 Senior Design II</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

### 8. Electives

- None

### 9. Additional Requirements

- Photonics science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 128

**Honors In Major**

- None

### Related Programs

- Electrical Engineering
- Computer Engineering
- Physics

### Certificates

- None

### Related Minors

- Engineering Leadership
- Mathematics
- Physics

### Advising Notes

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- Students in the BSPSE Major are required to take OSE-prefixed lab courses in the same semester as the corresponding lecture course.
- Students in the BSPSE Major are required to take OSE 3200 Geometric Optics either concurrently or prior to enrollment in OSE 3052 Introduction to Photonics.

### Transfer Notes

- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only and count towards the required 11 credit hours of restricted electives.

### Acceptable Substitutes for Transfer Courses

- None
### UCF Degree Programs

#### Physics (B.S.)

**College of Sciences**

**Department of Physics,**

**Physical Sciences, Room: 430**


**Email:** physics@ucf.edu

Dr. Josh Colwell

Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements. Advanced, while the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.**
- **Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.**
- **All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).**
- **Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled course work taken from the UCF Department of Physics.**
- **Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**
- **AA transfer students are expected to have completed the following courses before enrolling as a Physics major.**

### These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

#### Core Curriculum Requirements

- **Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

### Program Academic Learning Compacts

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs are located at: [http://www.oees.ucf.edu/alc/academic_learning_compacts.htm](http://www.oees.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student: $30 per term**
- **Full-Time Student: $60 per term**

### Plan of Study (128 hrs)

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHS 1440 Principles of Chemistry</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>17 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3211 Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2020 Encountering the Humanities</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302 Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3004C Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101 General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>10 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3132C Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 3052 Introduction to Photonics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 3052L Introduction to Photonics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>OSE 3200 Geometric Optics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358 Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>14 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4410 Optoelectronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4410L Optoelectronics Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4520 Laser Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4520L Laser Engineering Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 3053 Electromagnetic Waves for Photonics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4470 Fiber-Optic Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4470L Fiber-Optic Communications Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>OSE 4951 Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4930 Frontiers of Optics and Photonics</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSE 4952 Senior Design II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4830 Imaging and Display</td>
<td>3 hrs</td>
</tr>
<tr>
<td>OSE 4830L Imaging and Display Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Historical Foundation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- **Program Academic Learning Compacts** for undergraduate programs are located at:
  - [http://www.oees.ucf.edu/alc/academic_learning_compacts.htm](http://www.oees.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student: $30 per term**
- **Full-Time Student: $60 per term**
D: Social Foundations
E: Science Foundations
1. Physical Science; 4 hrs
   Required PHY 2048C General Physics Using Calculus I
2. Life sciences; 3 hrs
   Select from the E2 GEP list.
2. Common Program Prerequisites (CPP) (20 hrs)
   MAC 2311C Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
3. Core Requirements: Basic Level (36 hrs)
   Required of all specializations.
   In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.
   Core: Required, satisfies the CPP
   CHM 2045C Chemistry Fundamentals I 4 hrs
   or
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   or
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   Take all of the following:
   CHM 2046 Chemistry Fundamentals II 3 hrs
   CHM 2048L Chemistry Fundamentals Laboratory 1 hr
   PHY 2048C General Physics Using Calculus I GEP
   PHY 2049C General Physics Using Calculus II 4 hrs
3. Core Requirements: Basic Level (36 hrs)
   Required of all specializations.
   In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.
   Core: Required, satisfies the CPP
   CHM 2045C Chemistry Fundamentals I 4 hrs
   or
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   or
   CHM 2041 Chemistry Fundamentals IB 3 hrs
   - and
   MAC 2311C Calculus with Analytic Geometry I and 4 hrs
   MAC 2312 Calculus with Analytic Geometry II and 4 hrs
   PHY 2048C General Physics Using Calculus I and 4 hrs
   PHY 2049C General Physics Using Calculus II 4 hrs

Core: Additional requirements
  MAP 2302 Ordinary Differential Equations I 3 hrs
  PHY 3101 General Physics Using Calculus III 3 hrs
  PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
  PHY 3220 Mechanics I 3 hrs
  PHY 3513 Thermal and Statistical Physics 3 hrs
  PHY 3323 Electricity and Magnetism I 3 hrs
  PHY 4324 Electricity and Magnetism II 3 hrs
  PHY 4604 Wave Mechanics I 3 hrs
  PHY 4605 Wave Mechanics II 3 hrs
  PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory Requirement 6 hrs
  PHY 3802L Interim Physics Laboratory 3 hrs

And either
  PHY 3752C Physics of Scientific Instruments 3 hrs
  PHY 3722C Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level
   Select one specialization
4.1. General Physics Specialization 18 hrs
   PHY 4803L Advanced Physics Laboratory 3 hrs
   - Restricted Electives: 6 hrs
     Select from upper division PHY, PHZ, or AST courses 6 hrs
   - Directed Electives: 9 hrs
     Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs
   - Select 1 3 hrs
     PHY 4803L Advanced Physics Laboratory or 3 hrs
     EEE 5356C Fabrication of Solid-State Devices 4 hrs
   - Select 3 9 hrs
     EEE 3350 Semiconductor Devices I or 3 hrs
     EGN 3365 Structure and Properties of Materials or 3 hrs
     EMA 4413 Fundamentals of Electronic Materials or 3 hrs
     CHM 3411L Physical Chemistry Laboratory or 2 hrs
     PHZ 5405 Condensed Matter Physics or 3 hrs
     EEE 5352C Semiconductor Material and Device Characterization 3 hrs
   - Directed Electives: 6 hrs
     Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization 18 hrs
   PHY 4424 Optics 3 hrs
   - Select 2 6 hrs
     EEL 4440 Optical Engineering or 3 hrs
     PHY 4445 Lasers or 3 hrs
     OSE 5303 Geometrical Optics or 3 hrs
     OSE 5312 Light Matter Interaction or 3 hrs
     OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs
   - Directed Electives: 9 hrs
     Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs
   PHZ 3151 Computer Methods in Physics 3 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 3 hrs
   COT 4500 Numerical Calculus 3 hrs
   - Directed Electives: 6 hrs
     Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs
   AST 2002 Astronomy 3 hrs
   - Select one 3 hrs
     AST 4700 Experimental Methods in Astronomy or 3 hrs
     AST 4762C Astronomical Data Analysis or 3 hrs
     AST 5765C Advanced Astronomical Data Analysis 3 hrs
   - and 6 hrs
     Select from upper division AST courses
   - Directed Electives: 6 hrs
     Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
   None
6. Capstone Requirements
   None
7. Foreign Language Requirements
   Admissions
   None
   Graduation
   None
8. Electives
   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
9. Additional Requirements
   None
### 10. Required Minors
- None

- **Astronomy**
- **Mathematics**
  - **Electrical Engineering**
  - **Mechanical Engineering**

- **Certificates**
- **Related Minors**
  - **Physics**
  - **Astronomy**

- **Advising Notes**
  - **None**

- **Transfer Notes**
  - Lower division courses do not substitute for upper division courses.
  - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

- **Prior to enrolling in Chemistry, take Chemistry Placement Test ~**
  - [http://knightsource.sdes.ucf.edu/placement](http://knightsource.sdes.ucf.edu/placement)

- **Prior to enrolling in Math, take Math Placement Test ~**
  - [http://utc.sdes.ucf.edu](http://utc.sdes.ucf.edu)

- Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Freshman Year - Spring
- **PHY 2049C** General Physics Using Calculus I 4 hrs
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **CHM 2046** Chemistry Fundamentals II 3 hrs
- **CHM 2046L** Chemistry Fundamentals Laboratory 1 hr

Note: Lab may be taken later if seats are not available
- **GEP** 3 hrs

### Sophomore Year - Fall
- **PHY 2049C** General Physics Using Calculus II 4 hrs
- **MAC 2313** Calculus with Analytic Geometry III 4 hrs
- **COP 3502C** Computer Science I 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Sophomore Year - Spring
- **PHY 3101** General Physics Using Calculus III 3 hrs
- **PHZ 3113** Introduction to Theoretical Methods of Physics 3 hrs
- **MAP 2302** Ordinary Differential Equations I 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Junior Year - Fall
- **PHY 3802L** Intermediate Physics Laboratory 3 hrs
- **PHY 3323** Electricity and Magnetism I 3 hrs
- **PHY 3513** Thermal and Statistical Physics 3 hrs
- **Core Course** 3 hrs
- **Restricted Elective** 3 hrs

### Junior Year - Spring
- **PHY 3220** Mechanics I 3 hrs
- **PHY 4324** Electricity and Magnetism II 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs

### Senior Year - Fall
- **PHY 4604** Wave Mechanics I 3 hrs
- **PHY 4912 Independent Research** 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 3 hrs

### Senior Year - Spring
- **PHY 4605** Wave Mechanics II 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs
- **Free Elective** 2 hrs
- **Free Elective** 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeyes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeyes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student:** $12.40 per term
- **Full-Time Student:** $24.80 per term

### Physics (B.A.)

**College of Sciences**

**Department of Physics, Physical Sciences, Room: 430**

**Chair:** Dr. Talat Rahman

**Email:** physics@ucf.edu

Dr. Elena Flitsiyan
Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics
UCF Degree Programs

with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

Admission Requirements

1. Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first sixty hours.
- AA transfer students are expected to have completed courses or approved education courses to fulfill a double major or a minor in Science Education - Physics.
- These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

2. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Prefer SPC 1603C Fundamentals of Technical Presentations

Take all of the following:
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II and 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Prefer HUM 2210 Humanistic Tradition I 3 hrs
- Prefer HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)
- Required PHY 2048C General Physics Using Calculus I 4 hrs
- PHY 2049C General Physics Using Calculus II 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
- CHM 2046 Chemistry Fundamentals Laboratory 1 hr
- PHY 2048C General Physics Using Calculus I GEP
- PHY 2049C General Physics Using Calculus II 4 hrs

3. Core Requirements: Basic Level (24 hrs)
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following:

Core: Required, satisfies the CPP
- CHM 2045C Chemistry Fundamentals I CPP
- or CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB CPP

-and MAC 2311C Calculus with Analytic Geometry I GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- 1 PHY 2048C General Physics Using Calculus I CPP
- 2 PHY 2049C General Physics Using Calculus II CPP

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission this course can be substituted by PHY 2054C.

Core: Additional requirements
- PHY 3101 General Physics Using Calculus III 3 hrs
- PHY 3220 Mechanics I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs

Laboratory Requirements
- PHY 3802L Intermediate Physics Laboratory 3 hrs

4. Core Requirements: Advanced Level
- Select one specialization

4.1 Education
- Students in this specialization must declare and be admitted to the Science Education Minor.

Required: 19 hrs
- PHY 4012 Teaching Introductory Physics 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- Students in Schools 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses or approved education courses to fulfill a double major or a minor in Science Education - Physics.
- The courses will be selected with adviser approval.
4.2 Nanoscale Science and Technology
Required: 12 hrs
- PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
- PHZ 3464 Nanoscience II: Technological Applications 3 hrs
- PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs
- EMA 3691 Nanomaterials Process Engineering 3 hrs

Restricted electives: 9 hrs
- Selected from upper division physics, mathematics, chemistry, computer science or engineering courses.

Directed electives: 15 hrs
- The elective courses will be selected with advisor approval.
- PHY 3722C Physics Laboratory-Electronics 3 hrs
- PHY 3752C Physics of Scientific Instruments 3 hrs
- EMA 3014 Nanomaterials Characterization and Applications 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs
- OSE 3490 Nanophotonics 3 hrs
- PHY 5933 Selected topics in biophysics of macromolecules 3 hrs

Select 6 credits from upper division writing or communication electives.

Directed electives: 6 hrs
- The elective courses will be selected with advisor approval.
- EMA 3014 Nanomaterials Characterization and Applications 3 hrs
- OSE 3490 Nanophotonics 3 hrs
- PHZ 5425C Electron Solid Interactions 3 hrs
- PHZ 5445 Nanofabrication using Focused Ion Beam 3 hrs
- PHY 5704 Physics of Nanoelectronics Devices 3 hrs

4.3 Biophysics
Required: 18 hrs
- BSC 2011C Biology II 4 hrs
- CRM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 9 hrs
- Select 9 credits from upper division biology or chemistry courses.
- The elective courses will be selected with advisor approval.

4.4 Information Technology / Data Science
Required: 18 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4710 Database Systems 3 hrs
- CIS 3902 Cryptography and Information Security 3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering courses.
- The elective courses will be selected with advisor approval.
- CDA 3103C Computer Logic and Organization 3 hrs
- COP 3402 Systems Software 3 hrs
- COP 4516C Problem Solving Techniques and Team Dynamics 3 hrs

4.5 Technical Writing
Required: 15 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4260 Technical Writing Style 3 hrs
- ENC 4293 Document and the Collaborative Process 3 hrs
- ENC 4290 Usability Testing for Technical Communication 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from upper division writing or communication courses.
- The elective courses will be selected with advisor approval.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses taken that could meet major requirements.
- All attempts that could meet requirements are included in the major GPA calculation. All attempts of courses listed for the major taken beyond the minimum required are included in the GPA calculation (e.g., additional restricted electives).
- Students will be required to take a nationally normed test in Physics during their last year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120
UCF Degree Programs

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
■ Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math
■ Although all classes are listed during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
MAC 2311C Calculus with Analytic Geometry I  4 hrs
CHM 2045C Chemistry Fundamentals I  4 hrs
GEP 3 hrs

Freshman Year - Spring
PHY 2048C General Physics Using Calculus I  4 hrs
MAC 2312 Calculus with Analytic Geometry II  4 hrs
CHM 2046 Chemistry Fundamentals II  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  1 hr
Note: Lab may be taken later if seats are not available. GEP 3 hrs

Sophomore Year - Fall
PHY 2049C General Physics Using Calculus II  4 hrs
MAC 2313 Calculus with Analytic Geometry III  4 hrs
GEP 3 hrs

Sophomore Year - Spring
PHY 3101 General Physics Using Calculus III  3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics  3 hrs
MAP 2302 Ordinary Differential Equations I  3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall
PHY 3802L Intermediate Physics Laboratory  3 hrs
PHY 3321 Electrically and Magnetism I  3 hrs
PHY 3513 Thermal and Statistical Physics  3 hrs
Directed Elective  3 hrs
Free Elective  3 hrs

Junior Year - Spring
PHY 3220 Mechanics I  3 hrs
Restricted Elective  3 hrs
Directed Elective  3 hrs
Directed Elective  3 hrs
GEP 3 hrs

Senior Year - Fall
PHY 4604 Wave Mechanics I  3 hrs
Restricted Elective  3 hrs
Directed Elective  3 hrs
Directed Elective  3 hrs
Free Elective  1 hr

Senior Year - Spring
Restricted Elective  3 hrs
Directed Elective  3 hrs
GEP 3 hrs
Free Elective  3 hrs
Directed Elective  3 hrs
Physics Test - Nationally Normed

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Political Science (B.A.)
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog
■ Co-op or internship credit cannot be used in this major without prior departmental approval
■ Students should consult with a departmental advisor
■ Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
■ All prerequisites of courses taught within the College of Sciences will be enforced.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
■ 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
   POS 2041 American National Government  3 hrs
   POS 3073 Scope and Methods of Political Science  3 hrs
■ 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
   POS 2041 American National Government  3 hrs
■ 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
■ 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Prefer ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
For Track 1 (American Politics) students
- Prefer AHF 2018 U.S. History: 1492-1877 3 hrs

For Track 2 (Int'l & Comp) students:
- Prefer EUH 2001 Western Civilization II or
- Prefer WOH 2022 World Civilization II 3 hrs
Select two courses from B.2. 6 hrs

C: Mathematical Foundations (6 hrs)
- 1. Math 3 hrs
  - Prefer MGF 1106 Finite Mathematics or
  - Prefer MGF 1107 Explorations in Mathematics or
  You may substitute a higher level math with appropriate scores on the Math Placement Test.
- 2. Statistics 3 hrs
  - Prefer STA 2014C Principles of Statistics or
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
  May substitute a higher level Statistics course.

D: Social Foundations (6 hrs)
- Required POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
 POS 2041 American National Government GEP/CPP

4. Core Requirements: Advanced Level (21 hrs)
- Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
 POS 3703 Scope and Methods of Political Science

Two courses from Area A 6 hrs
Two courses from Area B 6 hrs
Two courses from Area C 6 hrs
POS 4700 Teaching American Politics and Government 3 hrs

5. Restricted Electives (12 hrs)
- Choose one of the following tracks.
Track 1: American Politics and Policy
  - Two courses from Area A 6 hrs
  - Two courses from any Area 6 hrs

Track 2: International Relations-Comparative Politics
No more than one of the following courses may be considered part of area B credit:
INR 4351 International Environmental Law or
INR 4401 International Law or
INR 4404 Space Law
- Two courses from Area B 6 hrs
- Two courses from any Area 6 hrs

Track 3: Prelaw
- Please see Political Science - Prelaw Track

Areas of Specialization
A. American Politics and Policy Area
- POS 3076 American Indian Politics or
- POS 3122 State Government and Public Policy or
- POS 3173 Southern Politics or
- POS 3182 Florida Politics or
- POS 3233 Public Opinion or
- POS 3234 Protest in American Politics or
- POS 3235 Mass Media and Politics or
- POS 3258 Politics in Film or
- POS 3273 Voting and Elections or
- POS 3272 Civic Engagement or
- POS 3413 The American Presidency or
- POS 3424 Congress and the Legislative Process or
- POS 3443 Political Parties and Processes or
- POS 3463 Interest Groups or
- POS 3627 Cultural Pluralism and Law or
- POS 3733 Designing Political Science Research or

B. International Relations and Comparative Government Area
- CPO 3034 Politics of Developing Areas or
- CPO 3057 Contemporary Revolution and Political Violence or
- CPO 3103 Comparative Politics or
- CPO 3104 Political of Western Europe or
- CPO 3132 Canadian Studies or
- CPO 3403 Politics of the Middle East or
- CPO 3614 Politics of Eastern Europe or
- CPO 4062 Comparative Judicial Process or
- CPO 4074 Political Economy or
- CPO 4101 Politics of the European Union or
- CPO 4123 Government and Politics of Great Britain or
- CPO 4303 Comparative Latin American Politics or
- CPO 4445 Comparative Political Parties or
- CPO 4514 Politics of East Asia or
- CPO 4541 Chinese Politics or
- CPO 4553 Politics of Japan or
- CPO 4643 Government and Politics of Russia or
- CPO 4710 Women in Comparative Politics or
- CPO 4731 Politics of Democratization or
- CPO 4754 Comparative Political Institutions or
- CPO 4784 Political and Economic Inequality in
- CPO 4794 Indigenous Politics and the Environment or
- GEO 3471 World Political Geography or
- INR 2002 International Relations-Theory and Practice or
- INR 3016 Global Political Issues or
- INR 3250 Politics of Pan-Africanism or
- INR 3253 International Politics of Africa or
- INR 4008 Global Perspectives or
- INR 4011 Politics of Globalization or
- INR 4030 Diplomacy or
- INR 4035 International Political Economy or
- INR 4054 Global Politics of Energy or
None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester while enrolled in the 0 credit Exit Exam Course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

Related Programs

- Economics
- History

Certificates

- Diplomacy

Related Minors

- Economics
- History
- Psychology
- Sociology
- Philosophy

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu
Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

**Freshman Year - Fall**  
15 hrs  
- POS 2041 American National Government 3 hrs  
- AMH 2010 U.S. History: 1492-1877 3 hrs  
- ENC 1101 Composition I 3 hrs  
- GEP-Math 3 hrs  
- GEP 3 hrs  

**Freshman Year - Spring**  
15 hrs  
- AMH 2020 U.S. History: 1877-Present 3 hrs  
- ENC 1102 Composition II 3 hrs  
- GEP 3 hrs  
- GEP 3 hrs  

**Sophomore Year - Fall**  
16 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- GEP 3 hrs  
- Free Elective 3 hrs  
- Foreign Language 4 hrs  

**Sophomore Year - Spring**  
16 hrs  
- POS 3703 Scope and Methods of Political Science 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Foreign Language 4 hrs  
- GEP 3 hrs  

**Junior Year - Fall**  
15 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  

**Junior Year - Spring**  
15 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  

**Senior Year - Fall**  
15 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  

**Senior Year - Spring**  
13 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  
- Free Elective 3 hrs  

- POS 4961 Exit Exam 1 hr  
- POS 4961 Exit Exam 0 hrs  

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)  

**Equipment Fees**  
- Part-Time Student: $5 per term  
- Full-Time Student: $10 per term  

**Political Science - Prelaw Track (B.A.)**  
**College of Sciences**  
**Department of Political Science,**  
Howard Phillips Hall, Room: 302  
**Email:** politics@ucf.edu  
Dr. Roger Handberg  
Phone: 407-823-2608  

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

**Admission Requirements**  
- None

**Degree Requirements**  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Co-op or internship credit cannot be used in this major without prior departmental approval  
- Students should consult with a departmental advisor  
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science  
- All prerequisites of courses taught within the College of Sciences will be enforced.  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

**Double major/dual degree policy in Political Science programs and minors**  
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses;  
  - POS 2041 American National Government 3 hrs  
  - POS 3703 Scope and Methods of Political Science 3 hrs  
- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

1. **UCF General Education Program (GEP)**  
   (36 hrs)  
   **A: Communication Foundations**  
   (9 hrs)  
   - Required ENC 1101 Composition I 3 hrs  
   - Prefer ENC 1102 Composition II 3 hrs  
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs  
   **B: Cultural & Historical Foundations**  
   (9 hrs)  
   - For students doing Option 1 3 hrs  
   - Prefer AMH 2041 U.S. History: 1492-1877 3 hrs  
   - For students doing Option 2:  
     - Prefer EUH 2001 Western Civilization II or 3 hrs  
     - Prefer WOH 2022 World Civilization II or 3 hrs  
   - Select two courses from B 2.  
   - 6 hrs
   **C: Mathematical Foundations**  
   (6 hrs)  
   - Math: 3 hrs  
   - Prefer MGF 1106 Finite Mathematics or 3 hrs  
   - Prefer MGF 1107 Explorations in Mathematics or 3 hrs  
   - May substitute a higher level math with appropriate scores on the Math Placement Test.  
   **Statistics:**  
   (3 hrs)  
   - Prefer STA 2044C Principles of Statistics or 3 hrs  
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs  
   - May substitute a higher level statistics course.  
   **D: Social Foundations**  
   (6 hrs)  
   **Political Science**  
   Required POS 2041 American National Government 3 hrs  
   **Social Science**  
   (3 hrs)  
   - Select one of the listed courses  
   - 3 hrs  
   **E: Science Foundations**  
   (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Service section for more information.
   - See Transfer Notes for possible substitutes for the following courses.
   POS 2041 American National Government
   POS 3703 Scope and Methods of Political Science

3. Core Requirements: Basic Level
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   POS 2041 American National Government

4. Core Requirements: Advanced Level (3 hrs)
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   POS 3703 Scope and Methods of Political Science

5. Restricted Electives (27 hrs)
   Select one from the following courses:
   POS 4603 American Constitutional Law I or
   POS 4604 American Constitutional Law II or
   INR 4401 International Law
   Take all of the following:
   Two courses from Area A and
   Two courses from area B and
   One course from area C and
   Three courses from Any Area

Areas of Specialization

A. American Politics and Policy Area
   POS 3122 State Government and Public Policy or
   POS 3173 Southern Politics or
   POS 3162 Florida Politics or
   POS 3233 Public Opinion or
   POS 3234 Protest in American Politics or
   POS 3235 Mass Media and Politics or
   POS 3258 Politics in Film or
   POS 3272 Civic Engagement or
   POS 3273 Voting and Elections or
   POS 3413 The American Presidency or
   POS 3424 Congress and the Legislative Process or
   POS 3443 Political Parties and Processes or
   POS 3463 Interest Groups or
   POS 3627 Cultural Pluralism and Law or
   POS 3733 Designing Political Science Research or
   POS 4030 The Politics of Sports or
   POS 4074 Latino Politics or
   POS 4142 Metropolitan Politics or
   POS 4204 Political Behavior or
   POS 4244 Political Socialization or
   POS 4284 Judicial Process and Politics or
   POS 4412 Presidential Campaigning or
   POS 4603 American Constitutional Law I or
   POS 4604 American Constitutional Law II or
   POS 4622 Politics and Civil Rights or
   POS 4764 GIS for Political Analysis or
   PUB 3203 Environmental Politics or
   PUB 3314 Minorities in American Politics or
   PUB 3325 Women and Political Behavior or
   PUB 4003 American Public Policy or
   PUB 3204 Sustainability or
   PUB 4209 Urban Environmental Policy or
   PUB 4323 Women and Public Policy or
   PUB 4404 Education and Politics or
   PUB 4503 Government and Science or
   PUB 4510 Space Policy or
   PUB 4602 Politics of Health or
   PUB 4744 Government and Business or
   PUB 4931 Topics in Public Policy

B. International Relations and Comparative Government Area
   CPO 3034 Politics of Developing Areas or
   CPO 3057 Contemporary Revolution and Political Violence or
   CPO 3103 Comparative Politics or
   PUB 4003 American Public Policy or
   PUB 3204 Sustainability or
   PUB 4209 Urban Environmental Policy or
   PUB 4323 Women and Public Policy or
   PUB 4404 Education and Politics or
   PUB 4503 Government and Science or
   PUB 4510 Space Policy or
   PUB 4602 Politics of Health or
   PUB 4744 Government and Business or
   PUB 4931 Topics in Public Policy

C. Political Theory Area
   INR 4003 Contemporary Democratic Theory or
   POS 3204 American Political Thought or
   POS 3205 Modern Political Ideologies or
   POS 3003 Political Theory or
   POS 4025 Ancient, Medieval and Early Modern Political Philosophy or
   POS 4054 Modern Political Philosophy or
   POS 4086 Contemporary Political Theory or
   POS 4109 Politics and Literature or
   POS 4305 Democracy, Capitalism, and the Individual or
   POS 4314 Contemporary Democratic Theory or
   PUP 3014 Comparative Public Policy or
   PUP 4510 Space Policy or

INR 3016 Global Political Issues or
INR 3250 Politics of Pan-Africanism or
INR 3253 International Politics of Africa or
INR 4008 Global Perspectives or
INR 4011 Politics of Globalization or
INR 4030 Diplomacy or
INR 4035 International Political Economy or
INR 4054 Global Politics of Energy or
INR 4060 Causes of War or
INR 4074 Immigration Policy or
INR 4075 Human Rights Policy or
INR 4076 Global Drug Policy or
INR 4084 Politics of International Terrorism or
INR 4085 Women, Gender, and Globalization or
INR 4102 American Foreign Policy or
INR 4104 Topics and Cases in American Foreign Policy or
INR 4114 American Security Policy or
INR 4115 Strategic Weapons and Arms Control or
INR 4224 Contemporary International Politics or
INR 4225 The Vietnam War or
INR 4243 International Politics of Latin America or
INR 4304 Issues in International Public Policy or
INR 4335 Coercion in International Politics or
INR 4350 Global Environmental Politics or
INR 4351 International Environmental Law or
INR 4364 The Intelligence Community or
INR 4401 International Law or
INR 4404 Space Law or
INR 4502 International Organizations or
INR 4714 Politics of International Trade Policy or
INR 4744 Militaries in World Politics or
INR 4765 Emerging Space Powers or
INR 4774 Military Space Policy or
POS 3733 Designing Political Science Research or
PUP 3014 Comparative Public Policy or
PUP 4510 Space Policy or

UNIVERSITY OF CENTRAL FLORIDA

296 Undergraduate Catalog 2016-2017
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - ACG 2021: Principles of Financial Accounting 3 hrs
  - ACG 2071: Principles of Managerial Accounting 3 hrs
  - BUL 3130: Legal and Ethical Environment of Business 3 hrs
  - ENC 3241: Writing for the Technical Professional 3 hrs
  - ENC 3250: Professional Writing 3 hrs
  - LIN 4106: History of the English Language 3 hrs
  - MHF 3302: Logic and Proof in Mathematics 3 hrs
  - PHI 2101: Formal Logic I 3 hrs
  - PHI 2102: Formal Logic II 3 hrs
  - PLA 3108: Legal Research 3 hrs
  - PLA 3155: Legal Writing 3 hrs
  - POS 4941: Political Science Internship 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must maintain a minimum cumulative GPA of 2.0 in all courses taken in the major. If additional major courses are taken beyond the minimum required (e.g., additional restricted electives), those courses will be included in the GPA calculation.
- Complete the Educational Testing Service Field Exam in Political Science during the student's graduating semester while enrolled in the 0 credit Exit Exam Course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

Certificates
- Diplomacy

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- English - Creative Writing
- English - Technical Communication
- History
- Human Communication
- Intelligence and National Security
- Legal Studies
- Mass Communication
- Philosophy
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- POS 2041: American National Government 3 hrs
- AMH 2020: U.S. History: 1877-Present 3 hrs
- ENC 1101: American National Government I 3 hrs
- ENC 1102: American National Government II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- GEP: 3 hrs

Freshman Year - Spring
- AMH 2020: U.S. History: 1877-Present 3 hrs
- ENC 1102: American National Government II 3 hrs
- STA 2014C: Principles of Statistics 3 hrs
- GEP: 3 hrs

Sophomore Year - Fall
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- POS 3703: Scope and Methods of Political Science 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
UCF Degree Programs

Junior Year - Fall 15 hrs
POS 4284 Judicial Process and Politics 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs

Senior Year - Spring 13 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 1 hr
POS 4961 Exit Exam 0 hrs

Political Science/Economics 3 hrs
Select one of the listed choices

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: psychadvising@ucf.edu

Psychology Advising Center, PSY 250, 407-823-2219

This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ufc.edu/online for more information.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog
Departmental Residency Requirement: at least
21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department
Students must earn a grade of “C” (2.0) or better in each course used to satisfy the CPP, Core Requirements, Restricted Electives and Science Electives.
Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements. If additional Psychology courses are taken beyond the minimum required (e.g. additional restricted electives), those courses will be included in the GPA calculation.
Co-op or internship credit cannot be used in this major without prior approval
Students should consult with the Psychology Advising Center, prior to applying for graduation (before registration for the final term).
Graduating seniors should complete the senior exit survey
Additional requirements exist for students pursuing the Honors in the major program.

All prerequisites of courses taught within the College of Sciences will be enforced.
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

Note: Certain courses may be selected in the GEP for this major bringing the total GEP hours to more than 36. See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Math:
You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics:
Required STA 2023 Statistical Methods I or
Required STA 2014C Principles of Statistics

D: Social Foundations (6 hrs)
Social Sciences:
Required PSY 2012 General Psychology

Political Science/Economics 3 hrs
Select one of the listed choices

E: Science Foundations (6 hrs)
Biological:
Select the advanced option if additional biology courses are planned.
Required BSC 1005 Biological Principles or
Required BSC 2010C Biology I

Physical or Chemical:
Select one of the listed choices

2. Common Program Prerequisites (CPP) (3 hrs)
See Transfer Notes for possible substitutes for the courses listed below.
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Psychology:
Required PSY 2012 General Psychology
Required DEP 2004 Developmental Psychology

Biological:
Select the advanced course if additional biology courses are planned.
Required BSC 1005 Biological Principles or
Required BSC 2010C Biology I

Statistics:
Required STA 2014C Principles of Statistics or
Required STA 2023 Statistical Methods I

3. Core Requirements: Basic Level
Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Psychology:
Required PSY 2012 General Psychology

Biological:
Required BSC 1005 Biological Principles or
Required BSC 2010C Biology I

Statistics:
Required STA 2014C Principles of Statistics or
Required STA 2023 Statistical Methods I

4. Core Requirements: Advanced Level (18 hrs)

Required PSY 2023 Psychology Cornerstone: Career Paths
Required PSY 2024C Statistical Methods in Psychology
Required PSY 213C Research Methods in Psychology
Required PSB 3002 Physiological Psychology
Required PSY 4046 History and Systems of Psychology
Required PSY 4049 Psychology Capstone
5. Restricted Electives (33 hrs)

A. Experimental: Select from the following: 6 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 3204 Perception or 4 hrs
- EXP 3604 Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- EXP 3640 Psychology of Language 3 hrs

B. Personality/Social: Select from the following: 3 hrs
- PPE 3003 Personality Theory and Research or 3 hrs
- SOP 3004 Social Psychology 3 hrs

C. Developmental: Select from the following: 3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select from the following: 3 hrs
- CLP 3184 Women's Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3764 Psychology of Diversity 3 hrs

E. Applied: Select from the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives: 9 hrs
- Select additional courses from those taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
  - INP 5141C Advanced Applied Psychology or 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs
  - PSY 3905 Directed Independent Study or 1 hr
  - PSY 4906 Directed Independent Study or 1 hr
  - PSY 4912 Directed Independent Research 1 hr

G. Math/Science Electives: Select from the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
  - ANT 2511 The Human Species or 3 hrs
  - ANT 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 350C Primatology or 3 hrs
  - ANT 4516 Human Biological Diversity or 3 hrs
  - ANT 4586C Human Origins or 3 hrs
  - BSC 2011C Ecology or 4 hrs
  - BSC 4312C Advanced Marine Biology or 3 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - CHM 2045 Chemistry Fundamentals I or 4 hrs
  - CHM 2046 Chemistry Fundamentals II or 3 hrs
  - EVR XXXX Any EVR prefix course or 3 hrs
  - HSA 4702 Health Sciences Research Methods or 3 hrs
  - HSC 3147 Introduction to Pharmacology or 3 hrs
  - MAC 2233 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - MCB XXXX Any MCB prefix course or 3 hrs
  - PCE 3083 Genetics or 3 hrs
  - PCE 3703C Human Physiology or 4 hrs
  - PHY 2053C College Physics I or 4 hrs
  - PSC 1121 Physical Science or 3 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - ZOO XXXX Any ZOO prefix course or 3 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

- Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
- Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
- DEP 2004C: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- PSY 2012 General Psychology 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Psychology Cornerstone 2 hrs

Sophomore Year - Fall 16 hrs
- DEP 2004 Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm

Equipment Fees

- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

Public Administration (B.A./B.S.)

College of Health and Public Affairs

School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin/
Dr. Michael Abels, michael.abels@ucf.edu
Phone: 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as, nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented toward an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section

3. Core Requirements: Basic Level
   - None
4. Core Requirements: Advanced Level (24 hrs)
All core requirements must be completed with
a minimum major GPA of (2.5) to satisfy the major.

- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3753 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 4949 Cooperative Education 3 hrs

5. Restricted Electives (24 hrs)
Required Minor or Certificate in the School of 18 hrs
Public Administration
- Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning, or other minor approved by the Undergraduate Program Director, excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course. Students pursuing a minor outside the School of Public Administration must complete a minimum of 18 credit hours within that minor. Should that minor not require 18 credit hours the student must fulfill the 18 hour minor requirement by completing courses within the field of public administration.

Supporting Upper-Division Electives 6 hrs
- Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.
- Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II and III can also be used to fulfill this requirement.

8. Electives
- Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, and Terrorism Studies.
- The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor or certificate from the School of Public Administration offered at UCF or another minor approved by the Undergraduate Program Director. Minors in Public Administration can include Emergency Management and Homeland Security; Nonprofit Management/National Certification in Nonprofit Management; and Urban and Regional Planning, excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

11. Departmental Exit Requirements
- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).
- Students must earn a 2.5 GPA in the major in order to graduate.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs
- Business Administration
- Criminal Justice
- Economics
- Health Services Administration
- Legal Studies
- Management
- Political Science
- Social Work

Certificates
- None

Related Minors
- Business
- Criminal Justice
- Diplomacy
- Economics
- Entrepreneurship
- Environmental Studies
- Florida Studies
- Health Services Administration
- International and Global Studies
- Leadership Studies
- Legal Studies
- Political Science
- Terrorism Studies

Advising Notes
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
### UCF Degree Programs

**Transfer Notes**
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit. The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for the School of Public Administration programs include American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).
- Subject to the general grade and residence work equivalent to that required in the Public Administration program. Only grades of "C" (2.0) or higher transfer into this program and the student must have a "C" (2.0) or better in each common program prerequisites class.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- This is one of numerous possible plans of study.
- Although all courses are listed as being taken during the academic year, you may take classes during the summer semester.

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 3 hrs
- Free Elective 3 hrs
- GEP Cultural 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Communication 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs

#### Sophomore Year - Fall
- STA 2014C Principles of Statistics 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

#### Sophomore Year - Spring
- PAD 3003 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 3733 Administrative Theory 3 hrs
- Free Elective 3 hrs
- GEP Historical 3 hrs
- GEP Science 3 hrs

#### Junior Year - Fall
- PAD 4104 Human Resource Administration 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

#### Junior Year - Spring
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4072 Survey Research in Public Administration 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course 3 hrs
- Free Elective 3 hrs

#### Senior Year - Fall
- PAD 4949 Cooperative Education 3 hrs
- PAD Approved Minor Course 3 hrs
- PAD Approved Minor Course or Free Elective 3 hrs
- Supporting Upper-Division Elective 3 hrs
- Free Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oceas.ucf.edu/alc/academic_learning.Compacts.htm](http://www.oceas.ucf.edu/alc/academic_learning.Compacts.htm)

**Radio - Television (B.A.)**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu/**

**Email:** radiotv@ucf.edu

Stephanie Rice, Area Coordinator, stephanie.rice@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

**Admission Requirements**
- The Radio-Television program is a limited access program that requires a separate application.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- For admission to the program, students must complete or be enrolled into and complete, RTV 3007 with at least a "C" (2.0) or better (if in progress at the time of admission, students who do not earn a "C" (2.0) or better will be removed from the program).
- Students who change degree programs (other than from majors only after completing all requirements for admission.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

**Application Deadlines:**
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

**Degree Requirements**
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF Nicholson School of Communication (NSC) courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
### UCF Degree Programs

- **School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.**
- **Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.**
- **Of these 79 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).**
- **To ensure completion within 120 hours and to comply with the 79 hour rule, no more than 41 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.**
- **Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.**
- **Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.**
- **A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 41 hours.**
- **To receive credit for an internship, students must have a minimum GPA of 2.5 in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.**
- **A maximum of six credit hours of internship may be earned within the 41 credit hour school maximum.**
- **A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” term only.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>Required: ENC 1101 Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required: ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Required: SPC 1608 Fundamentals of Oral Communication or Fundamentals of Technical Presentations</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>Required: ANH 2010 U.S. History: 1492-1877</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

**Select two courses from GEP B2**

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>Math:</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

**Suggested:**

- MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics | 3 hrs |

**Computers - Statistics:**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>CSE 1060C Introduction to Computers or STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics or STA 2023 Statistical Methods I</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

**D: Social Foundations** (6 hrs)

| Prefer: PO 2041 American National Government | 3 hrs |
| Select a listed course | 3 hrs |

**E: Science Foundations** (6 hrs)

| None | 
|---|---|

#### 2. Common Program Prerequisites (CPP)

**None**

- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**

#### 3. Core Requirements: Basic Level (12 hrs)

**These courses may be taken before applying to the major.**

- **Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.**

<table>
<thead>
<tr>
<th>Required: CART 1003 Mass Communication Law</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 2001 Development and Structure of Electronic Media and New Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3511 Production Fundamentals and Aesthetics of Electronic Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4403 Electronic Media, Technology, and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

| SPC 1603C Fundamentals of Technical Presentations | GEP |
| SPC 1608 Fundamentals of Oral Communication | GEP |

#### 4. Core Requirements: Advanced Level (6 hrs)

**These courses are only available to students who have been accepted into the major.**

- **Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.**

**Reminder:**

- **Must earn at least a “C” (2.0) for all core requirements and restricted electives in the major.**

<table>
<thead>
<tr>
<th>RTV 2100 Writing for the Electronic Media</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 3420 Mass Media Research Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

- **Specialization: Select one area and complete the credit hours required by that specialization.**

**A. Production**

| Required: RTV 4544 Advanced Studio Production | 4 hrs |

**Select from the following:**

| RTV 3531C Single Camera Video Production and Editing | 4 hrs |
| RTV 3543C Studio Television Production or RTV 3556C Audio Production I or RTV 3571C Advanced Video Post-Production | 3 hrs |
| RTV 3581C Lighting for Video or RTV 3590C Production of Interactive Multimedia | 3 hrs |
| RTV 4571C Audio Production II or RTV 4561C Radio Production and Programming | 3 hrs |
| RTV 4591C Webcasting I or RTV 4592C Webcasting II | 3 hrs |
| RTV 4673C Television Directing or RTV 3942L Practicum or RTV 4941 Internship | 1-3 hrs |

1. **May be taken for a maximum of 3 hours.**

**B. Broadcast Generalist**

| Required: RTV 4544 Advanced Studio Production | 4 hrs |

**Select from the following:**

| ADV 4103 Radio-Television Advertising or COM 3015 Principles of Journalism | 3 hrs |
| COM 3330 Computer Mediated Communication or MMC 4263 New Media Technologies | 3 hrs |
| MMC 4263 New Media Technologies | 3 hrs |
| RTV 3501C Broadcast Announcing and Performance or RTV 3590C Production of Interactive Multimedia | 3 hrs |
| RTV 4545 Program Issues for TV & Motion Pictures or RTV 4561C Radio Production and Programming | 3 hrs |
| RTV 4570 Regulation of Broadcasting or RTV 4800 Broadcast Management | 3 hrs |
| RTV 4941 Internship or RTV 4906 Directed Independent Study | 1 hr |

**Select from the following:**

| ADV 3008 Principles of Advertising or COM 3110 Business and Professional Communication | 3 hrs |
| MMC 3522 Social Media and Communication | 3 hrs |
| MMC 3630 Social Media and Communication | 3 hrs |
| PUB 4000 Public Relations or RTV 4593 Sports Programming in Electronic Media | 3 hrs |

1. **May be taken for a maximum of 3 hours.**

#### 6. Capstone Requirements

**None**

#### 7. Foreign Language Requirements

**Admissions**

- **Met by graduation requirement.**
## UCF Degree Programs

### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however, it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

### Additional Requirements
- None

### Required Minors
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - English - Writing
  - Political Science
  - Sociology
  - Theatre

### Departmental Exit Requirements
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Students must achieve a minimum cumulative GPA of 2.0 in all UCF Nicholson School of Communication (NSC) courses taken in the major.
- All attempts of UCF NSC courses that could meet major requirements are included in the major GPA calculation, including those taken beyond the minimum required (e.g. additional restricted electives).

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- Advertising-Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
- Film
- Journalism
- Theatre

### Certificates
- None

### Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to R-TV majors.
- Digital Media
- Film - Cinema Studies

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall
- **ENC 1101** Composition I 3 hrs
- **GEP-Math** 3 hrs
- **GEP** 3 hrs
- **Foreign Language** 4 hrs

### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **Foreign Language** 4 hrs
- **GEP** 3 hrs

### Sophomore Year - Fall
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **Elective-Minor** 3 hrs

### Sophomore Year - Spring
- Apply for admission by Feb 1
- **RTV 3007** Development and Structure of Electronic Media and New Technology 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **Elective-outside of NSC** 3 hrs
- **Elective-minor** 3 hrs

### Junior Year - Fall
- If admitted, take...
- **RTV 3511** Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- **RTV 2100** Writing for the Electronic Media 3 hrs
- **MMC 3200** Mass Communication Law 3 hrs
- **Elective-minor** 3 hrs
- **Elective-outside of NSC** 3 hrs

### Junior Year - Spring
- **RTV 4403** Electronic Media, Technology, and Society 3 hrs
- **MMC 3420** Mass Media Research Methods 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Elective-Minor** 3 hrs

### Junior Year - Summer
- **Restricted Elective-Internship** 3 hrs

### Senior Year - Fall
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Elective-Minor** 3 hrs
- **Elective-outside of NSC** 3 hrs
- **Elective-outside of NSC** 3 hrs

---

**UNIVERSITY OF CENTRAL FLORIDA**

304 Undergraduate Catalog 2016-2017
Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-3575
The study of real estate prepares students for careers in commercial & residential real estate development and sales. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
- A student’s academic catalog year guarantees their graduation requirements, but not their admission requirements. All pre-majors are held to the current admission standards. This applies to both native and transfer students.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:

  1. UCF General Education Program (GEP) (36 hrs)
  A: Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication
  B: Cultural & Historical Foundations (9 hrs)
  C: Mathematical Foundations (6 hrs)
    Required CGS 2100C Computer Fundamentals for Business
    Required MAC 1105C College Algebra
  D: Social Foundations (6 hrs)
    Select 1: ECO 2023 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
    Select 1: Suggested ANA 2000 General Anthropology or 3 hrs
    Suggested PSY 2012 General Psychology or 3 hrs
    Suggested SYG 2000 Introduction to Sociology 3 hrs
  E: Science Foundations (6 hrs)
    2. Common Program Prerequisites (CPP) (18 hrs)
    Must be completed with a “C” (2.0) or better.
    ACG 201 Principles of Financial Accounting 3 hrs
    ACG 2071 Principles of Managerial Accounting 3 hrs
    ECO 2013 Principles of Microeconomics 3 hrs
    ECO 2023 Principles of Microeconomics 3 hrs
    CGS 2100C Computer Fundamentals for Business 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401

  ECO 3401 Quantitative Business Tools I 3 hrs
  or
  1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

1 Or MAC 2311C and MAC 2312

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (37 hrs)

Primary Core 15 hrs
  ACG 3173 Accounting for Decision-Makers 3 hrs
  ECO 3411 Quantitative Business Tools II 3 hrs
  FIN 3403 Business Finance 3 hrs
  MAN 3025 Management of Organizations 3 hrs
  MAR 3023 Marketing 3 hrs

Secondary Core 13 hrs
  GEB 3003 Career Research & Planning 1 hr
  GEB 3005 Career Search Strategy 1 hr
  BUL 3130 Legal and Ethical Environment of Business 3 hrs
  GEB 3375 Introduction to International Business 3 hrs
  MAR 3203 Supply Chain and Operations Management 3 hrs
  GEB 4233 Business Interviewing Techniques 1 hr
  GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major 9 hrs
  FIN 2100 Personal Finance and Investments 3 hrs
  REE 3043 Fundamentals of Real Estate 3 hrs
  REE 3433 Real Estate Law 3 hrs
## UCF Degree Programs

### 5. Restricted Electives (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
</tr>
<tr>
<td>FIN 4243</td>
<td>Debt and Money Markets</td>
</tr>
<tr>
<td>FIN 4504</td>
<td>Equity and Capital Markets</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
</tr>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development</td>
</tr>
<tr>
<td>REE 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>REE 4903H</td>
<td>Honors Directed Readings I</td>
</tr>
<tr>
<td>REE 4970H</td>
<td>Undergraduate Honors Thesis</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements (3 hrs)

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.
- MAN 4720 | Strategic Management | 3 hrs |

### 7. Foreign Language Requirements

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

### Admissions

- Admitted to a Business major, senior standing, and completion of MAN 3025, MAR 3023, FIN 3403, ECO 3411, and ACG 3173 or ACG 3131 are required to register for MAN 4720.

### Graduation

- None

### Electives

- None

### Additional Requirements

- None

### Required Minors

- None

### Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors in Major

- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.

- Admission: Application for admission to the Honors in the Major program must be approved by both the Director of the Dr. Phillips School of Real Estate and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

- Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
</tr>
<tr>
<td>FIN 4243</td>
<td>Debt and Money Markets</td>
</tr>
<tr>
<td>FIN 4504</td>
<td>Equity and Capital Markets</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
</tr>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate</td>
</tr>
<tr>
<td>REE 4103</td>
<td>Real Estate Appraisal and Valuation</td>
</tr>
<tr>
<td>REE 4203</td>
<td>Commercial Real Estate Finance</td>
</tr>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development</td>
</tr>
<tr>
<td>REE 4941</td>
<td>Internship</td>
</tr>
<tr>
<td>REE 4903H</td>
<td>Honors Directed Readings I</td>
</tr>
<tr>
<td>REE 4970H</td>
<td>Undergraduate Honors Thesis</td>
</tr>
</tbody>
</table>

### Honors in Major Credit Requirements

- 6 hrs

### Required Honors Reading Course

- 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 4903H</td>
<td>Honors Directed Readings I</td>
</tr>
</tbody>
</table>

### Required Honors Thesis

- 3 hrs

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study (120 hrs)

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>Cultural Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>Historical Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Sophomore Year - Spring
- **ACG 2071** Principles of Managerial Accounting: 3 hrs
- **ECO 3401** Quantitative Business Tools I: 3 hrs
- **CGS 2100C** Computer Fundamentals for Business: 3 hrs
- **Historical Foundation II**: 3 hrs
- **Science**: 3 hrs

### Junior Year - Fall
- **ACG 3173** Accounting for Decision-Makers: 3 hrs
- **ECO 3411** Quantitative Business Tools II: 3 hrs
- **MAN 3025** Management of Organizations: 3 hrs
- **MAR 3023** Marketing: 3 hrs
- **FIN 3403** Business Finance: 3 hrs
- **GEB 3003** Career Research & Planning: 1 hr

### Junior Year - Spring
- **GEB 3375** Introduction to International Business: 3 hrs
- **REE 3043** Fundamentals of Real Estate: 3 hrs
- **REE 3433** Real Estate Law: 3 hrs
- **FIN 2100** Personal Finance and Investments: 3 hrs
- **GEB 3005** Career Search Strategy: 1 hr
- **Elective**: 2 hrs

### Senior Year - Fall
- **BUL 3130** Legal and Ethical Environment of Business: 3 hrs
- **GEB 4223** Business Interviewing Techniques: 1 hr
- **REE Elective**: 3 hrs
- **REE Elective**: 3 hrs
- **Business Elective**: 3 hrs

### Senior Year - Spring
- **MAN 4720** Strategic Management: 3 hrs
- **MAR 3203** Supply Chain and Operations Management: 3 hrs
- **GEB 4004** Executing Your Career Plan: 1 hr
- **REE Elective**: 3 hrs
- **REE Elective**: 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student**: $25.00 per term
- **Full-Time Student**: $50.00 per term

### Religion and Cultural Studies (B.A.)

#### College of Arts and Humanities
#### Department of Philosophy,
#### Psychology Building, Room: 220
#### Email: philosophy2@ucf.edu
#### Phone: 407-823-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

### Admission Requirements
- **None**

### Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Co-op or internship credit cannot be used in this major without prior approval by the chair.**
- **Students must earn at least a “C” (2.0) in each required course.**
- **Students should consult with a departmental advisor.**
- **Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.**

### Core Requirements: Basic Level
- **REL 2300** World Religions: 3 hrs
- **Select 1:**
  - **PHI 2010** Introduction to Philosophy or: 3 hrs
  - **HUM 2020** Encountering the Humanities: 3 hrs
- **Select 1:**
  - **HUM 2210** Humanistic Tradition I or: 3 hrs
  - **HUM 2230** Humanistic Tradition II: 3 hrs
- **Math**
  - **Suggested MGF 1106** Finite Mathematics or: 3 hrs
  - **Suggested MGF 1107** Explorations in Mathematics or: 3 hrs
  - *You may substitute a higher level math with appropriate scores on the Math Placement Exam.*
- **Statistics-Computers**
  - **Select a course from GEP C.2 list:** 3 hrs
- **D: Social Foundations**
  - **Suggested AMH 2020** U.S. History: 1877-Present: 3 hrs
- **E: Science Foundations**
  - **2. Common Program Prerequisites (CPP)**
    - **None**
  - **3. Core Requirements: Basic Level**
    - **REL 2300** World Religions: 3 hrs
    - **Select 1:**
      - **PHI 2010** Introduction to Philosophy or: 3 hrs
      - **HUM 2020** Encountering the Humanities: 3 hrs
    - **Select 1:**
      - **HUM 2210** Humanistic Tradition I or: 3 hrs
      - **HUM 2230** Humanistic Tradition II: 3 hrs
- **Studying Religion and Culture**
  - **REL 2000** Introduction to Religion and Cultural Studies: 3 hrs
- **4. Core Requirements: Advanced Level**
  - **A: Traditions**
    - **Must select at least one course in each category from the Philosophy Department.**
    - **Abrahamic Traditions**
      - **REL 3403** Christianity or: 3 hrs
      - **REL 3363** Islam or: 3 hrs
      - **REL 3320** Moses, Jesus and Muhammad or: 3 hrs
      - **REL 3432** Roots of Western Mysticism or: 3 hrs
      - **JST 3401** Jewish People in Antiquity: 3 hrs
    - **Asian and Indigenous Traditions**
      - **REL 3340** Buddhism or: 3 hrs
      - **REL 3333** Hinduism or: 3 hrs
      - **REL 3123** Asian Religions in America or: 3 hrs
      - **ANT 3245** Native American Religions: 3 hrs
  - **B: Theories and Methods**
    - **Must select one in each category**
      - **Religion**
        - **REL 4157** Religion and Psychoanalysis or: 3 hrs
        - **PHI 3700** Philosophy of Religion or: 3 hrs
        - **PHI 3720** Faith and Reason or: 3 hrs
        - **REL 4936** Key Figures in Religion and Cultural Studies or: 3 hrs
        - **REL 4496** Key Concepts in Religion and Cultural Studies: 3 hrs
UCF Degree Programs

Cultural Studies  3 hrs
- HUM 3850  Critical Theory in the Humanities  3 hrs
- HUM 3326  Theories of Sex and Gender in Humanities  3 hrs
- HUM 4459  American Cultural Studies in Humanities  3 hrs
- HUM 4823  Queer Theory in the Humanities  3 hrs
- HUM 4826  Postcolonial Theory  3 hrs
- PHI 3600  Contemporary Philosophy  3 hrs
- PHI 4804  Critical Theory  3 hrs

HUM 2110  Composition I  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 2106  Finite Mathematics  3 hrs
REL 2300  World Religions  3 hrs
SPN 1120C  Elementary Spanish Language and Civilization I  3 hrs

5. Restricted Electives  (3 hrs)
- Any course from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.
- Note: Related courses may be substituted with consent of Religion and Cultural Studies adviser.

6. Capstone Requirements
- REL 4910  Senior Research Seminar  3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

- Computer Competency met by one of the following:
  REL 4970H  Undergraduate Honors Thesis  3 hrs
  REL 4910  Senior Research Seminar  3 hrs
  STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  Core, Elective Requirements, and Senior Seminar  36 hrs
  - Same requirement as for regular majors
  Honors Thesis  6 hrs
  REL 4903H  Honors Directed Readings I  3 hrs
  REL 4970H  Undergraduate Honors Thesis  3 hrs

Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
  - Earn a “B” (3.0) or better in both of the following:
    REL 4903H  Honors Directed Readings I  3 hrs
    REL 4970H  Undergraduate Honors Thesis  3 hrs

Related Programs
- Interdisciplinary Studies
- Philosophy
- Humanities and Cultural Studies

Certificates
- None

Related Minors
- Humanities and Cultural Studies
- Judaic Studies
- Philosophy

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall  16 hrs
  ENC 1101  Composition I  3 hrs
  HUM 2210  Humanistic Tradition I  3 hrs
  MGF 2106  Finite Mathematics  3 hrs
  REL 2300  World Religions  3 hrs
  SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Freshman Year - Spring  16 hrs
  ENC 1102  Composition II  3 hrs
  HUM 2230  Humanistic Tradition II  3 hrs
  STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
  Restricted Elective  3 hrs
  SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Sophomore Year - Fall  15 hrs
  GEP 3 hrs
  GEP 3 hrs
  GEP 3 hrs
  Restricted Elective  3 hrs
  REL 2000  Introduction to Religion and Cultural Studies  3 hrs

Sophomore Year - Spring  15 hrs
  GEP 3 hrs
  GEP 3 hrs
  Restricted Elective  3 hrs
  Restricted Elective  3 hrs
  Restricted Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 4910 Senior Research Seminar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Academic Learning Compacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oes.ucf.edu/alc/academic_learning_compacts.htm">http://www.oes.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Foodservices and Lodging Management, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (6 hrs)
- Required MAC 1105C College Algebra 3 hrs

Select 1: 3 hrs
- Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
- Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
- Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (7 hrs)
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs

Select 1: 3 hrs
- CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

3. Core Requirements: Basic Level (51 hrs)

Hospitality Core Requirements 30 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Internships 3 hrs
- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

Restaurant Management Core 18 hrs
- FSS 3124 Supply and Procurement Management 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 3263 Restaurant Management 3 hrs
- HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
- HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
- HFT 4861 Beverage Management 3 hrs

5. Restricted Electives (15 hrs)
Select 5: 15 hrs
- FSS 3008 Culture and Cuisine or FSS 4135 Corporate Contract and Managed Services Organizations or FSS 4296C Catering and Banquet Organization or HFT 3654 Hospitality Franchising or HFT 3868 History and Culture of Wine or HFT 4065 Fine Spirits Management or HFT 4266 Hospitality Brand Management or HFT 4268 Case Studies in Restaurant Management or HFT 4281 Restaurant Leadership Strategies and Tactics or HFT 4343 Hospitality Facilities Management or HFT 4864 Seminar in Quality Brewing and Fine Beer or HFT 4866C Exploring Wines of the World or HFT 4894 International Gastronomy or HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None
8. Electives
   □ 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
   □ Final exams will be given during Exam Week only.
   □ Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors
    □ None

11. Departmental Exit Requirements
    □ None

12. University Minimum Exit Requirements
    □ A 2.0 UCF GPA
    □ 80 semester hours earned after CLEP awarded
    □ 48 semester hours of upper division credit completed
    □ 30 of the last 39 hours of course work must be completed in residency at UCF.
    □ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

13. Acceptable Substitutes for Transfer Courses
    □ None

Advising Notes
   □ Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
   □ Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
   □ Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
   □ A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
   □ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
   □ None

Plan of Study
   □ Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall
   ENC 1101 Introductory English Composition I (3 hrs)
   HFT 1000 Introduction to the Hospitality and Tourism Industry (3 hrs)
   MAC 1105C College Algebra (3 hrs)
   Cul/Hist. Foundations I (3 hrs)
   Select 1: PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology (3 hrs)

Freshman Year - Spring
   ENC 1102 Composition II (3 hrs)
   SPC 1608 Fundamentals of Oral Communication (3 hrs)
   FSS 2221C Techniques of Food Preparation (4 hrs)
   Cul/Hist. Foundations II (3 hrs)
   Select 1: GCS 1060C Introduction to Computers or STA 2023 Statistical Methods I (3 hrs)

Sophomore Year - Fall
   HFT 2220 Hospitality Human Resources Management (3 hrs)
   Science Foundations I (3 hrs)
   Free Electives (5 hrs)
   Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

Sophomore Year - Spring
   HFT 2500 Hospitality and Tourism Marketing (3 hrs)
   HFT 2401 Hospitality Industry Financial Accounting (3 hrs)
   Science Foundations II (3 hrs)
   Cul/Hist. Foundations III (3 hrs)
   Free Elective (3 hrs)

Junior Year - Fall
   HFT 3431 Hospitality industry Managerial Accounting (3 hrs)
   HFT 3540 Guest Services Management I (3 hrs)
   FSS 3124 Supply and Procurement Management (3 hrs)
   HFT 2254 Lodging Operations (3 hrs)
   HFT 3263 Restaurant Management (3 hrs)
   HFT 3940 Internship I (1 hr)

Junior Year - Spring
   HFT 3603 Legal Environment in the Hospitality and Tourism Industry (3 hrs)
   HFT 3813 Foodservice Marketing, Sales, and Distribution (3 hrs)
   HFT 4457 Food, Beverage, and Labor Cost Controls (3 hrs)
   HFT 3444 Hospitality Information Systems (3 hrs)
   HFT 4941 Internship II (1 hr)
   Restaurant Restricted Elective (3 hrs)

Senior Year - Fall
   HFT 4464 Hospitality Industry Finance (3 hrs)
   HFT 4286 Hospitality Communications (3 hrs)
   HFT 4861 Beverage Management (3 hrs)
   HFT 4944 Internship III (1 hr)
   Restaurant Restricted Elective (3 hrs)

Senior Year - Spring
   HFT 4295 Leadership and Strategic Management in Hospitality Industry (3 hrs)
   Restaurant Restricted Electives (9 hrs)
   Free Elective (3 hrs)

Program Academic Learning Compacts
   □ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   □ Part-Time Student: $37.50 per term
   □ Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/

Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272
Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu

The Science Education - Biology B.S. program offers students the option of two tracks: Science Education- Biology Track and Science Education - Biology Lifelong Learning Track (non-certification).

The Education Track is appropriate for students interested in opportunities for employment with formal K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside of formal K-12 schools that do not require certification.

Admission Requirements
   □ Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
3. Core Requirements: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.
- Students should consult with advisor regarding course options
  - BSC 2010C Biology I GEP
  - BSC 2011C Biology II CPP
  - CHM 2045C Chemistry Fundamentals I CPP
  - PSC 1121 Physical Science GEP

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- MHS 2330 Career Planning 3 hrs
- Select 1:
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 58 semester hours
- Lifelong Learning Track requires 55 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - 1 EGD 4410 Teaching Strategies and Classroom Management 3 hrs
  - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track
- SCE 4361 Programs in Teaching Science 3 hrs
  - 1 Prerequisite to Internship I

Education Track Specialization Requirements 21 hrs
- CHM 2025 Introduction to Organic and Biochemistry 5 hrs
- CHM 2046 Chemistry Fundamentals II CPP
- CHM 2046L Chemistry Fundamentals Laboratory CPP
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
  - Select 1:
    - PCB 3703C Human Physiology 4 hrs
    - ZOO 3733C Human Anatomy 4 hrs
    - PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship I Block 7 hrs
- Program Internship I Prerequisites: EGD 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EGD 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.

Internship II Block 12 hrs
- At least 80% of all required biology courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Biology 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization 34 hrs Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

PCB 3044 Principles of Ecology 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3703C Human Physiology 4 hrs
ZOO 3733C Human Anatomy 4 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 3708 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- 12 hrs
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
## UCF Degree Programs

### Freshman Year - Spring
- GEP B3 Elective ( Prefer course from section B1) 3 hrs
- ENC 1102 Composition II 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Select 1:
- MUL 2101 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

### Education Track 3 hrs
- EDF 2130 Child and Adolescent Development for Educators

### Lifelong Learning Track 3 hrs
- Choose Lifelong Learning Specialization courses

### Freshman Year - Summer
- POS 2041 American National Government 3 hrs

### Education Track 6 hrs
- EDF 2130 Child and Adolescent Development for Educators
- EDF 2270 Adult Development & Learning 3 hrs

### Lifelong Learning Track 3 hrs
- Choose Lifelong Learning Specialization courses

### Sophomore Year - Fall
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs

### Sophomore Year - Spring
- BSC 2011C Biology II 4 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

### Sophomore Year - Summer
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- Students in Schools

### Junior Year - Fall
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

### Education Track 4 hrs
- PCB 3044 Principles of Ecology and 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr

### Select one of the following sequences of courses:
- PCB 3063 Principles of Ecology and 3 hrs
- PCB 3063L Principles of Ecology Laboratory 1 hr
- or PCB 3703C Human Physiology 4 hrs
- or ZOO 3733C Human Anatomy 4 hrs

### Lifelong Learning Track 8 hrs
- Choose Lifelong Learning Specialization courses 8 hrs

### Junior Year - Spring
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

### Education Track 10 hrs
- MCB 3020C General Microbiology and 5 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs

### Lifelong Learning Track 10 hrs
- MHS 2310 Career Planning and 3 hrs
- Choose Lifelong Learning Specialization courses 7 hrs

### Junior Year - Summer
- SCE 4361 Programs in Teaching Science 3 hrs

### Senior Year - Fall
- EDF 4803 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

### Lifelong Learning Track 7 hrs
- Choose Lifelong Learning Specialization courses 7 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeras.ucf.edu/acl/academic_learning_compacts.htm](http://www.oeras.ucf.edu/acl/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### Science Education - Chemistry (B.S.)
**College of Education and Human Performance**
**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

http://education.ucf.edu/science/

Dr. Malcolm Butler, ED 3227, malcolm.butler@ucf.edu, 407-823-3272

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education Chemistry B.S program offers students the option of two tracks: Science Education - Chemistry Track and Science Education - Chemistry Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment outside formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.
UCF Degree Programs

1. UCF General Education Program (GEP)  
   (37 hrs) 
   - Note: Students are advised to take the preferred courses. 

   A: Communication Foundations  
   (9 hrs) 
   - Required ENC 1101 Composition I  3 hrs 
   - Required ENC 1102 Composition II  3 hrs 
   - Prefer SPC 1608 Fundamentals of Oral Communication  3 hrs 

   B: Cultural & Historical Foundations  
   (9 hrs) 
   - General Education Program elective from section B1 to meet Gordon Rule Requirement  3 hrs 

   Select 1: 
   - Prefer MUL 2010 Enjoyment of Music or  3 hrs 
   - Prefer THE 2000 Theatre Survey or  3 hrs 
   - Prefer PHI 2010 Introduction to Philosophy  3 hrs 
   - General Education Program elective: Prefer a second course from GEP section B1 

   C: Mathematical Foundations  
   (6 hrs) 
   - Required MAC 1144 College Trigonometry  3 hrs 

   Select 1: 
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or  3 hrs 
   - Prefer STA 2042C Principles of Statistics  3 hrs 

   D: Social Foundations  
   (6 hrs) 
   - Prefer POS 2041 American National Government  3 hrs 
   - Prefer PSY 2012 General Psychology  3 hrs 

   E: Science Foundations  
   (7 hrs) 
   - 1 Required BSC 2010C Biology I  4 hrs 
   - 1 Required PSC 1121 Physical Science  3 hrs 

1 A grade of "C-" (1.75) or better is required. 

2. Common Program Prerequisites (CPP)  
   (21 hrs) 
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. 

   EDF 2005 Introduction to the Teaching Profession  3 hrs 
   EDF 2085 Introduction to Diversity for Educators  3 hrs 
   EME 2040 Introduction to Technology for Educators  3 hrs 
   CHM 2045C Chemistry Fundamentals I  4 hrs 
   CHM 2046 Chemistry Fundamentals II  3 hrs 
   CHM 2046L Chemistry Fundamentals Laboratory  1 hr 
   PHY 2053C College Physics I  4 hrs 

1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement. 

3. Core Requirements: Basic Level  
   (4 hrs) 
   - Education Track requires 4 semester hours 
   - Lifelong Learning Track requires 7 semester hours 
   - Transfer Notes: Courses taken at Florida College 

   CHM 2045C Chemistry Fundamentals I  CPP 
   PSC 1121 Physical Science  GEP 
   PSC 1121L Physical Science Lab  1 hr 
   BSC 2010C Biology I  GEP 
   MAC 1144C College Trigonometry  GEP 

   Education Track  
   EDP 2130 Child and Adolescent Development for Educators  3 hrs 

   Lifelong Learning Track  
   MHS 2330 Career Planning  3 hrs 

   Select 1: 
   - EDF 2130 Child and Adolescent Development for Educators or  3 hrs 
   - EDP 2270 Adult Development & Learning  3 hrs 

4. Core Requirements: Advanced Level  
   (55 hrs) 
   - Education Track requires 56 semester hours 
   - Lifelong Learning Track requires 55 semester hours
Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

SCE 4941 Internship 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 34 hrs

Requirements

Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.

A grade of “C-” (1.75) or better is required.

Must have a total of 48 or more hours of upper level courses to graduate.

CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3611 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4194 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/ Education Track

Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study (120 hrs)

Recommended Four Year Sequence of Courses

Freshman Year - Fall 13 hrs
GEP B1 Elective 3 hrs
ENC 1102 Composition II 3 hrs
PSC 1121 Physical Science 3 hrs
THE 2000 Theatre Survey or 3 hrs
MUL 2010 Enjoyment of Music 3 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
MAC 1144C College Trigonometry 3 hrs
PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall 14 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
BSC 2010C Biology I 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs

Sophomore Year - Spring 13 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EDF 2085 Introduction to Diversity for Educators 3 hrs

315
Undergraduate Catalog 2016-2017
### UCF Degree Programs

**Education Track**
- EDF 2130  Child and Adolescent Development for Educators 3 hrs

**Lifelong Learning Track**
- EDF 2130  Child and Adolescent Development for Educators 3 hrs
- EDP 2270  Adult Development & Learning 3 hrs

**Junior Year - Fall**
- EDF 4467  Learning Theory and Assessment 3 hrs
- EDG 4410  Teaching Strategies and Classroom Management 3 hrs
- EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs

**Education Track**
- CHM 2210  Organic Chemistry I and 3 hrs
- CHM 3120  Analytical Chemistry and 3 hrs
- CHM 3120L  Analytical Chemistry Laboratory 1 hr

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses 7 hrs

**Junior Year - Spring**
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools 14 hrs
- RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs

**Education Track**
- CHM 2211  Organic Chemistry II and 3 hrs
- CHM 2211L  Organic Laboratory Techniques I and 2 hrs
- CHS 3501  Introduction to Forensic Science 3 hrs

**Lifelong Learning Track**
- MHS 2330  Career Planning and 3 hrs
- Choose Lifelong Learning Specialization courses 5 hrs

**Junior Year - Summer**
- SCE 4381  Programs in Teaching Science 3 hrs

**Senior Year - Fall**
- EDF 4503  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 13 hrs

**Education Track**
- SCE 4380  Science Instructional Analysis and 4 hrs
- SCE 3940  Internship and 3 hrs
- BCH 4053  Biochemistry I 3 hrs

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses 10 hrs

**Senior Year - Spring**
- SCE 4941  Internship and 9 hrs
- ESE 4033C  Critical Issues and Trends in Secondary Education 3 hrs

**Education Track**
- SCE 4380  Science Instructional Analysis and 10 hrs
- SCE 3940  Internship and 4 hrs
- BCH 4053  Biochemistry I 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm](http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm)

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm](http://www.ceas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

---

**Science Education - Physics (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**


Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272

Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education-Physics B.S. program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment in formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. **UCF General Education Program (GEP) (38 hrs)**
   - Students are advised to take the preferred courses.

   **A: Communication Foundations (9 hrs)**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPE 1068 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - General Education Program elective from section B1 to meet Gordon Rule Requirement

   **Select 1:**
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   General Education Program elective: Prefer a second course from GEP section B1

   **C: Mathematical Foundations (7 hrs)**
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

   **D: Social Foundations (6 hrs)**
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

---

**UNIVERSITY OF CENTRAL FLORIDA**

316 Undergraduate Catalog 2016-2017
### E: Science Foundations (7 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1. A grade of “C-” (1.75) or better is required.

### 2. Common Program Prerequisites (CPP) (29 hrs)

- See “Common Prerequisites” in the Transfer and Transition Services section for more information.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

### 3. Core Requirements: Basic Level (3 hrs)

- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- PHY 2049C General Physics Using Calculus I
- MAC 2311C Calculus with Analytic Geometry I

**Education Track**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Lifelong Learning Track (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 2330</td>
<td>Career Planning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDP 2270</td>
<td>Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (47 hrs)

- Education Track requires 50 semester hours
- Lifelong Learning Track requires 47 semester hours

**Education Core Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Education Track Specialization Requirements** (13 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>CPP</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>CPP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>CPP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>CPP</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Internship I Block (7 hrs)

- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SCE 4360 Science Instructional Analysis
- SCE 3940 Internship

### Internship II Block (12 hrs)

- At least 80% of all required physics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Physics 6-12) of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.
- SCE 4941 Internship
- ESE 4033C Critical Issues and Trends in Secondary Education

### Lifelong Learning Track Specialization (26 hrs)

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3101</td>
<td>General Physics Using Calculus III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3752C</td>
<td>Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3722C</td>
<td>Physics Laboratory-Electronics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4941</td>
<td>Directed Field Experience</td>
<td>1 hr</td>
</tr>
<tr>
<td>EDG 4948</td>
<td>Service Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3525</td>
<td>Digital Media Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2030</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

DIG 2109  Digital Imaging Fundamentals  3 hrs
DIG 2500  Fundamentals of Interactive Design  3 hrs
DIG 3811  User-Centered Design  3 hrs
DEP 2004  Developmental Psychology  3 hrs
DEP 3202  Psychology of Exceptional Children  3 hrs
DEP 3464  Psychology of Aging  3 hrs
EXP 3604  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703  Principles of Behavior Modification  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs
SCE 4360  Science Instructional Analysis  4 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. http://livetext.education.ucf.edu/

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- GEP B1 Elective  3 hrs
- ENC 1101  Composition I  3 hrs
- PSY 2012  General Psychology  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Select 1:
- STA 1063C  Basic Statistics Using Microsoft Excel or  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

Freshman Year - Spring
- GEP B3 Elective ( Prefer course from section B1)  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs
- ENC 1102  Composition II  3 hrs
- POS 2041  American National Government  3 hrs

Select 1:
- MUL 2010  Enjoyment of Music or  3 hrs
- THE 2000  Theatre Survey or  3 hrs
- PHI 2010  Introduction to Philosophy  3 hrs

Freshman Year - Summer
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- EDF 2005  Introduction to the Teaching Profession  3 hrs

Sophomore Year - Fall
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- PHY 2048C  General Physics Using Calculus I  4 hrs
- EDF 2085  Introduction to Diversify for Educators  3 hrs

Select 1:
- ANT 2511  The Human Species or  3 hrs
- BSC 1005  Biological Principles  3 hrs

Sophomore Year - Spring
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Education Track
- Select 1:
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track
- Select 1:
- EDF 2280  Adult Learning and Development  3 hrs

Junior Year - Fall
- EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Education Track
- PHY 3101  General Physics Using Calculus III  3 hrs

Lifelong Learning Track
- Select 1:
- Choose Lifelong Learning Specialization course  3 hrs
### Social Science Education (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership**,  
**Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766  
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Have a minimum 2.5 overall GPA

#### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)**  
   - 36 hrs
   - Students are advised to take preferred courses.
   - **A: Communication Foundations**  
     - Required: ENC 1101 Composition I  3 hrs
     - Required: ENC 1102 Composition II  3 hrs
     - Prefer: SPC 1608 Fundamentals of Oral Communication  3 hrs
   - **B: Cultural & Historical Foundations**  
     - Required: AMH 2010 U.S. History: 1492-1877  3 hrs
     - Required: EEU 2000 Western Civilization I  3 hrs
   - **C: Mathematical Foundations**  
     - Select 1:  3 hrs
       - Prefer: STA 1063C Basic Statistics Using Microsoft Excel or
       - Prefer: STA 2014C Principles of Statistics  3 hrs
   - **D: Social Foundations**  
     - Required: POS 2041 American National Government  3 hrs
     - Required: PSY 2012 General Psychology  3 hrs
   - **E: Science Foundations**  
     - Select 1:  3 hrs
       - Prefer: ANT 2511 The Human Species or
       - Prefer: BSC 1005 Biological Principles  3 hrs

2. **Common Program Prerequisites (CPP)**  
   - 12 hrs
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>GEP</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. **Core Requirements: Basic Level**  
   - 9 hrs
   - Education Track requires 9 semester hours
   - Lifelong Learning Track requires 12 semester hours

   **Education Track**  
   - 9 hrs
   - Student should consult advisor regarding course options

### Degree Programs

**UCF Degree Programs**

**Full-Time Student:** $24 per term

- **Equipment Fees**
- **Program Academic Learning Compacts**
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)

**Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766  
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Have a minimum 2.5 overall GPA

#### Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)**  
   - 36 hrs
   - Students are advised to take preferred courses.
   - **A: Communication Foundations**  
     - Required: ENC 1101 Composition I  3 hrs
     - Required: ENC 1102 Composition II  3 hrs
     - Prefer: SPC 1608 Fundamentals of Oral Communication  3 hrs
   - **B: Cultural & Historical Foundations**  
     - Required: AMH 2010 U.S. History: 1492-1877  3 hrs
     - Required: EEU 2000 Western Civilization I  3 hrs
   - **C: Mathematical Foundations**  
     - Select 1:  3 hrs
       - Prefer: STA 1063C Basic Statistics Using Microsoft Excel or
       - Prefer: STA 2014C Principles of Statistics  3 hrs
   - **D: Social Foundations**  
     - Required: POS 2041 American National Government  3 hrs
     - Required: PSY 2012 General Psychology  3 hrs
   - **E: Science Foundations**  
     - Select 1:  3 hrs
       - Prefer: ANT 2511 The Human Species or
       - Prefer: BSC 1005 Biological Principles  3 hrs

2. **Common Program Prerequisites (CPP)**  
   - 12 hrs
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>GEP</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>GEP</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. **Core Requirements: Basic Level**  
   - 9 hrs
   - Education Track requires 9 semester hours
   - Lifelong Learning Track requires 12 semester hours

   **Education Track**  
   - 9 hrs
   - Student should consult advisor regarding course options

### Degree Programs

**UCF Degree Programs**

**Full-Time Student:** $24 per term

- **Equipment Fees**
- **Program Academic Learning Compacts**
  - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)
UCF Degree Programs

Lifelong Learning Track 12 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (63 hrs)
- Education Track requires 66 semester hours
- Lifelong Learning Track requires 63 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

1. EDG 4410 Teaching Strategies and Classroom Management 3 hrs
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
4. TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
5. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
6. RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track
- SSE 4936 Programs in Teaching Social Science 3 hrs

1. Prerequisite to Internship I

Education Track Specialization Requirements 27 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, or LAH prefix courses 3/4XXX) 3 hrs
- Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX) 3 hrs
- Upper Division American History Elective (AMH prefix courses 3/4XXX) 3 hrs
- Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX) 6 hrs
- GEO 3471 World Political Geography or approved 3 hrs
- 3000/4000 level Geography elective

Internship I Block 6 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/

Internship II Block 12 hrs
- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- SSE 4941 Internship 9 hrs
- SSE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 42 hrs

Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- Field of Concentration Upper Level Courses (1-39 hrs of 3/4XXX) 1 hr
- AFH, AMH, ASH, CPO, HUM, INR, LAH or POS 3/4XXX 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030 Digital Video Fundamentals 3 hrs
- DIG 2109 Digital Imaging Fundamentals 3 hrs
- DIG 2500 Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004 Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604 Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703 Principles of Behavior Modification 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAN 4101 Human Relations in Management 3 hrs
- MAR 3023 Marketing 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs
- SSE 4361 Social Science Instructional Analysis 3 hrs
- SSE 3940 Internship 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None
<table>
<thead>
<tr>
<th>Plan of Study</th>
<th>(120 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>12 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>12 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
</tbody>
</table>

| Select 1: | 3 hrs |
| ANT 2511 | The Human Species or |
| BSC 1005 | Biological Principles |

| Freshman Year - Summer | 6 hrs |
| SPC 1608 | Fundamentals of Oral Communication | 3 hrs |

| Select 1: | 3 hrs |
| MUL 2010 | Enjoyment of Music or |
| THE 2000 | Theatre Survey or |
| PHI 2010 | Introduction to Philosophy |

| Sophomore Year - Fall | 15 hrs |
| EDF 2055 | Introduction to the Teaching Profession | 3 hrs |
| ECO 2013 | Principles of Macroeconomics | 3 hrs |
| PSC 1121 | Physical Science | 3 hrs |
| SYG 2000 | Introduction to Sociology | 3 hrs |

| Select 1: | 3 hrs |
| STA 1063C | Basic Statistics Using Microsoft Excel or |
| STA 2014C | Principles of Statistics |

| Sophomore Year - Spring | 12 hrs |
| EDF 2085 | Introduction to Diversity for Educators | 3 hrs |
| EME 2040 | Introduction to Technology for Educators | 3 hrs |

| ECO 2023 | Principles of Microeconomics and |
| EDF 2130 | Child and Adolescent Development for Educators |

| Lifelong Learning Track | 3 hrs |
| MHS 2330 | Career Planning |

| Select 1: | 3 hrs |
| EDF 2130 | Child and Adolescent Development for Educators or |
| EDP 2270 | Adult Development & Learning |

| Sophomore Year - Summer | 9 hrs |
| TSL 4080 | Theory and Practice of Teaching ESOL Students in Schools |

| Education Track | 6 hrs |
| EHU 2000 | Western Civilization I and Upper Division Political Science Elective (CPO, INR, POS 3/4XXX) |

| Lifelong Learning Track | 6 hrs |
| Choose Lifelong Learning Specialization courses |

| Junior Year - Fall | 15 hrs |
| EDF 4407 | Learning Theory and Assessment |
| EGO 4410 | Teaching Strategies and Classroom Management |
| SSE 4936 | Programs in Teaching Social Science |

| Education Track | 6 hrs |
| EHU 2001 | Western Civilization II and Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) |

| Lifelong Learning Track | 6 hrs |
| Choose Lifelong Learning Specialization courses |

| Junior Year - Spring | 12 hrs |
| RED 4043 | Content Reading in Kindergarten through Grade 12 |

| Education Track | 9 hrs |
| SSE 3940 | Internship and |
| SSE 4361 | Social Science Instructional Analysis and |
| GEO 3471 | World Political Geography or approved |
| 3000/4000 level Geography elective |

| Lifelong Learning Track | 9 hrs |
| Choose Lifelong Learning Specialization courses |

| Senior Year - Fall | 15 hrs |
| EDF 4803 | Analysis and Application of Ethical, Legal, and Safety Issues in Schools |
| EEK 4242 | Teaching Exceptional Students in Secondary Settings |

| Education Track | 9 hrs |
| Upper Division American History Elective (AMH 3/4XXX) and |
| Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, LAH or POS 3/4XXX) |

| Lifelong Learning Track | 9 hrs |
| Choose Lifelong Learning Specialization courses |
UCF Degree Programs

Senior Year - Spring 12 hrs
Education Track 12 hrs
SSE 4941 Internship...9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oaes.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Social Sciences (B.S.)
Department of Sociology,
Howard Phillips Hall, Room: 403
Dr. Elizabeth Grauerholz, Elizabeth.Grauerholz@ucf.edu, 407-823-4241

Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Anthropology, Communication, Political Science, Psychology, Sociology, and Women’s and Gender Studies. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See [http://ucf.edu/online](http://ucf.edu/online) for more information.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- Grades below “C” (2.0) in lower level courses and core courses are not accepted.
- Students must achieve a minimum cumulative UCF GPA of 2.0 in all courses satisfying major requirements.
- Students must maintain a minimum GPA of 2.0 in each Social Science discipline.
- Internship credit must be approved by Coordinator of Social Sciences.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Coordinator of Social Sciences prior to enrollment.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs

   Complete one of the following: 3 hrs
   1 Suggested SPC 1608 Fundamentals of Oral Communication or
   Suggested SPC 1603C Fundamentals of Technical Presentations or
   Prefer COM 1000 Introduction to Communication 3 hrs
   1 Required if Communication option of the major is to be followed.

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Math:
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Required MGF 1107 Explorations in Mathematics or 3 hrs
- Suggested MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)

Select the following course: 3 hrs
- Required POS 2041 American National Government 3 hrs

Select one of the following, depending on the concentration to be followed:
- Required ANT 2000 General Anthropology or 3 hrs
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Students must complete two introductory courses in a social science discipline.
- Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Select at least three of the following, depending on concentrations to be taken:
- ANT 2000 General Anthropology or 3 hrs
- POS 2041 American National Government or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SPC 1608 Fundamentals of Oral Communication or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs

4. Core Requirements: Advanced Level (57 hrs)

Select one methods’ course: 3 hrs
- POS 3703 Scope and Methods of Political Science or 3 hrs
- PSY 3213C Research Methods in Psychology or 5 hrs
- SYA 4300C Research Methods or 4 hrs
- COM 3311 Communication Research Methods or 3 hrs

Required Minors:
- Complete the requirements for 3 Social Science minors dealing with the following areas:
  - Only one minor may be selected from the same department or school.
  - Anthropology 18 hrs
  - Communication 18 hrs
  - Political Science 18 hrs
  - Psychology 25 hrs
  - Sociology 18 hrs
  - Women’s and Gender Studies 18 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- Students will be required to take an exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
UCF Degree Programs
Graduation
 Typically none, however some minors require a foreign
language. Check with department of minor.
8. Electives
 After meeting with a departmental advisor, select
electives primarily from upper level courses to satisfy the 48
hour rule. Courses may be outside the areas.
9. Additional Requirements
 None
10. Required Minors
 Three minors are to be selected from the following
listing:
 However only one minor may be taken within a single
department or school.
 Anthropology
 Anthropology in Multicultural Studies
 Crime, Law, and Deviance
 Diplomacy (At least 6 hrs of Restricted Electives must
be taken from courses with INR or POT prefixes)
 Diversity and Social Inequality
 Global Peace and Security Studies (At least 9 hrs of
Restricted Electives must be CPO, INR, or POT prefixes)
 Human Communication
 International and Global Studies (3 hrs of Restricted
Electives from “Group C. Other” must be COP or SYP
prefixes)
 Journalism Studies
 Magazine Journalism
 Mass Communication
 Mass Culture and Collective Behavior
 Medical Anthropology
 Medical Sociology
 North American Indian Studies
 Political Science
 Political Science/Prelaw
 Psychology
 Sociology
 Terrorism Studies (At least 9 hrs of Restricted Electives,
including Restricted Upper Division Electives, must be COM,
CPO, INR, or other prefixes approved by Coordinator of
Social Sciences)
 Women’s and Gender Studies (At least 6 hrs of
Restricted Electives must be taken from courses with ANT,
CLP, COM, CPO, INR, SOP, SYD, SYO, or WST)
11. Departmental Exit Requirements
 Maintain a minimum GPA of 2.0 in each Social Science
discipline.
 A minimum grade of “C” (2.0) in all core courses is
required.
 Students will be required to take an exit exam in their
graduating semester.
12. University Minimum Exit Requirements
 A 2.0 UCF GPA
 60 semester hours earned after CLEP awarded
 48 semester hours of upper division credit completed
 30 of the last 39 hours of course work must be
completed in residency at UCF.
 A maximum of 45 hours of extension, correspondence,
CLEP, Credit by Exam, and Armed Forces credits permitted.
 Complete the General Education Program, the Gordon
Rule, and nine hours of Summer credit.
Total Semester Hours Required
 120
Honors In Major
 See Coordinator of Social Sciences or HIM Advisor
Related Programs
 None
Certificates
 None
Related Minors
 None

UNIVERSITY OF CENTRAL FLORIDA

Advising Notes
 Students should seek advising with the Social Sciences
Coordinator for major. For advising regarding selected
minors, see the Departmental Advisor.
Transfer Notes
 Lower division courses do not substitute for upper
division courses.
 Transfer courses must be evaluated for equivalency
credit and/or for use in the degree program. The student
must provide all supporting information.
Acceptable Substitutes for Transfer Courses
 Any two introductory Social Sciences courses could
meet CPP requirements. However, the indicated courses
are prerequisites for subsequent courses and must be
taken.
Plan of Study
 This is one of numerous possible plans of study.
See program description for all requirements. Consult a
departmental advisor for alternate, new or more appropriate
selections.
 Although all classes are listed as being taken during the
academic year, you may be required to complete 9 hours
of them during the Summer. Consult with an advisor to
determine if you are exempt.
 Prior to enrolling in Math, take Math Placement Test ~
http://utc.sdes.ucf.edu
Freshman Year - Fall
16 hrs
ENC 1101
Composition I
3 hrs
Foreign Language
4 hrs
GEP- Math
3 hrs
GEP
3 hrs
GEP
3 hrs
Freshman Year - Spring
Core Course
Statistics
ENC 1102
Composition II
Foreign Language
GEP

16 hrs
3 hrs
3 hrs
3 hrs
4 hrs
3 hrs

Sophomore Year - Fall
Core Course
Elective / Minor
GEP
GEP

13 hrs
3 hrs
3 hrs
4 hrs
3 hrs

Sophomore Year - Spring
Elective / Minor
Elective / Minor
GEP
GEP
GEP

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Junior Year - Fall
Elective / Minor
Elective / Minor
Elective / Minor
Elective / Minor
Elective / Minor

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Junior Year - Spring
Elective / Minor
Elective / Minor
Elective / Minor
Elective / Minor
Elective / Minor

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Senior Year - Fall
Elective / Minor
Elective / Minor
Elective / Minor
Elective / Minor
Free Elective

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

Senior Year - Spring
Restricted Elective
Restricted Elective
Restricted Elective
Elective / Minor
Free Elective

15 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs

323

Undergraduate Catalog 2016-2017


UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
http://www.cohpa.ucf.edu/social/
Email: socialwk@ucf.edu
Dr. Bonnie Yegidis, Director
Robin Kohn, Undergraduate Program Coordinator
Catherine Cash, BSW Advisor
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University.
  - A 2.5 overall GPA.
  - An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
  - 15 semester hours common program prerequisites completed with a "C" (2.0) in each course (see Section 2 below for list of courses)
  - This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog. Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.
- Students entering the social work program and completing the program prerequisites including Statistics are required to earn a minimum of "C" (2.0) in each course.
- Students should consult with a school advisor.
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours.
- Students meeting the six hours of cultural diversity requirement must earn a minimum of "C" (2.0) in each course.
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course.
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program.
- Students must complete all the requirements listed in 1-11 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
   Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

2. Social Foundations (6 hrs)
   Required POS 2041 American National Government 3 hrs
   Required PSY 2012 General Psychology 3 hrs
   Required BSC 1005 Biological Principles 3 hrs

3. Common Program Prerequisites (CPP) (6 hrs)
   See Transfer Notes
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

4. Core Requirements: Basic Level
   None

   Core Requirements: Advanced Level (45 hrs)
   SOW 3284 Social Work Perspectives on Social Justice 3 hrs
   SOW 3104 Human Behavior and the Social Environment I 3 hrs
   SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
   SOW 3111 Human Behavior and the Social Environment II 3 hrs
   SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
   SOW 3401 Social Work Research 3 hrs
   SOW 3620 Culturally Competent Social Work Practice 3 hrs
   SOW 4730 Documentation in Social Work Practice 3 hrs
   SOW 4232 Social Welfare Policies and Issues 3 hrs
   SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
   SOW 4522 Field Education Seminar 3 hrs
   SOW 4510 Field Education 9 hrs

   Required Principles of Statistics
   STA 2014C Principles of Statistics 3 hrs
   STA 2023 Statistical Methods I 3 hrs

   Cultural Diversity Requirement (6 hrs)
   Choose two of the following courses
   ANT 4332 People and Cultures of Latin America 3 hrs
   ANT 4110 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
   ANT 3610 Language and Culture 3 hrs
   ASH 4404 Modern China 3 hrs
   ASH 4442 Modern Japan 3 hrs
   CPO 4303 Comparative Latin American Politics 3 hrs
   HUM 3401 Asian Humanities 3 hrs
   REL 3333 Hinduism 3 hrs
   REL 3363 Islam 3 hrs
   JST 3401 Jewish People in Antiquity 3 hrs
   JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
   JST 3820 Modern Israeli Culture 3 hrs
   LAH 3130 Latin American History I 3 hrs
   LAH 3200 Modern Latin America 3 hrs
   LAH 3400 History of Mexico and Central America 3 hrs
   LAH 3470 History of the Caribbean 3 hrs
   AMH 3561 Women in American History I 3 hrs
   AMH 3571 Black American History I 3 hrs
   AMH 3586 History of Latinos in the U.S. 3 hrs
ANT 3302  Sex, Gender and Culture  3 hrs
ANT 3311  Indians of the Southeastern United States  3 hrs
ANT 3313  Indians of North America High Plains  3 hrs
SOP 3724  Psychology of Prejudice  3 hrs
SOP 3742  Psychology of Women  3 hrs
SYD 3700  Race and Ethnicity  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
HSC 3593  HIV Disease: A Human Concern  3 hrs

5. Restricted Electives (6 hrs)
   Select six hours in consultation with faculty advisor.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

   Graduation
   Cultural Diversity Requirement

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    A minimum overall GPA of 2.5 in all social work courses with a minimum grade of “C” (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
   Complete a three-credit thesis course.
   Earn a 3.5 GPA in your Social Work major.
   Earn a cumulative 3.2 GPA in your total UCF courses.
   Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs
   Criminal Justice
   Psychology
   Sociology
   Public Administration

Certificates
   Aging Studies
   Children’s Services

Related Minors
   Health Services Administration
   Aging Studies
   Psychology
   Sociology
   Nonprofit Management/National Certification in Nonprofit Management

Advising Notes
   None

Transfer Notes
   None

Acceptable Substitutes for Transfer Courses
   POS 2041: may use POS X042 or PUP X099
   BSC 2005: may use BSC X085, BSC X010, or PCB X099
   PSY 2012: may use PSY X020
   SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall 14 hrs
   ENC 1101  Composition I  3 hrs
   BSC 1005  Biological Principles  3 hrs
   GEP Math  3 hrs
   PAF 2102  Public Affairs Careers  2 hrs
   Select 1:  3 hrs
   SYG 2000  Introduction to Sociology or  3 hrs
   PSY 2012  General Psychology  3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102  Composition II  3 hrs
   STA 2014C  Principles of Statistics  3 hrs
   POS 2041  American National Government  3 hrs
   Select 1:  3 hrs
   PSY 2012  General Psychology or  3 hrs
   SYG 2000  Introduction to Sociology or  3 hrs
   GEP Cultural  3 hrs

Sophomore Year - Fall 15 hrs
   GEP Communication  3 hrs
   GEP Historical  3 hrs
   GEP Math  3 hrs
   Select 1:  3 hrs
   ECO 2013  Principles of Macroeconomics or  3 hrs
   ECO 2023  Principles of Microeconomics  3 hrs

Sophomore Year - Spring 15 hrs
   Free Elective  3 hrs
   Free Elective  3 hrs
   GEP Science  3 hrs
   GEP Historical  3 hrs
   Foreign Language II or Cultural Diversity  3 hrs

Sophomore Year - Summer 6 hrs
   Select 1:  3 hrs
   SOW 3104  Human Behavior and the Social Environment I or  3 hrs
   SOW 3300  Practice I: Generalist Practice in Social Work or  3 hrs
   SOW 3620  Culturally Competent Social Work Practice  3 hrs
   SOW Elective  3 hrs

Junior Year - Fall 15 hrs
   SOW 3284  Social Work Perspectives on Social Justice  3 hrs
   SOW 3104  Human Behavior and the Social Environment I  3 hrs
   SOW 3300  Practice I: Generalist Practice in Social Work  3 hrs
   Restricted Elective  3 hrs
   Free Elective  3 hrs

Junior Year - Spring 15 hrs
   SOW 3111  Human Behavior and the Social Environment II  3 hrs
   SOW 3352  Practice II: Interpersonal Skills in Social Work  3 hrs
   SOW 3401  Social Work Research  3 hrs
   SOW 2020  Careers in Creating Social Change  3 hrs
   SOW 3620  Culturally Competent Social Work Practice  3 hrs
   SOW Elective  3 hrs

Junior Year - Summer 9 hrs
   SOW 2020  Careers in Creating Social Change  3 hrs
   SOW 4433  Macro-Level Roles and Interventions in Social Work  3 hrs
   SOW Elective  3 hrs

Senior Year - Fall 18 hrs
   SOW 4232  Social Welfare Policies and Issues  3 hrs
   SOW 4341  Micro-Level Roles and Interventions in Social Work  3 hrs
   SOW 4343  Macro-Level Roles and Interventions in Social Work  3 hrs
   SOW 4730  Documentation in Social Work Practice  3 hrs
   Free Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Sociology (B.A.)

College of Sciences

Department of Sociology
http://sociology.ucf.edu/

Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

The Sociology degree, which may be completed online, face-to-face, or as a mix of online and face-to-face courses, has two major goals: 1) to promote undergraduate student excellence and 2) to advance career success for graduates by providing them with tangible, career-oriented skills. A dedicated faculty offers state-of-the-art courses that are relevant to current issues affecting our students’ lives and their future careers. Graduates are prepared for careers that require employees who think critically and have analytic and technical skills related to understanding crime, law, and deviance; medical sociology; diversity and inequalities; and/or mass culture and collective behavior. All students complete individual, original research projects. This degree program may be completed online, although not all elective options or program prerequisites may be offered online. Newly admitted students choosing to complete this program exclusively via UCF online classes may enroll with a reduction in campus-based fees. See http://ucf.edu/online for more information.

Admission Requirements

None beyond admission to the university.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.

Students must earn at least a “C” (2.0) or higher in each core course.

Students must have at least a “C” (2.0) in each UCF course satisfying major requirements.

Students must maintain a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.

Experiential Education credit cannot be used for credit in this major.

Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.

No more than 12 hours of directed independent study, directed independent research, and internship (course numbers SYA 3500, 4500, 5500, 6500, 7500, 8500, 6912, 7917, 8940, & 4941) credit may be used for the major.

All prerequisites of courses taught within the College of Sciences will be enforced.

Students should consult annually with a departmental advisor.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math: (3 hrs)

A satisfactory score in the Math Placement Test is required before enrolling in this course.

Math: STA 2023C Statistics or STA 2014C Principles of Statistics (3 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.

SYG 2000 Introduction to Sociology GEP

Any course with an SYA, SYD, SYG, SYO, or SYP prefix (3 hrs)

3. Core Requirements: Basic Level

All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

SYG 2000 Introduction to Sociology GEP

4. Core Requirements: Advanced Level (15 hrs)

SYA 3110 Social Theory 3 hrs

SYA 4300C Research Methods 4 hrs

SYA 4450 Data Analysis: Capstone 4 hrs

SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)

All courses with the prefixes SYA, SYD, SYG, SYO, or SYP, including special topics courses, count toward the restricted electives requirement.

5000 level Graduate Courses may be taken by undergraduates with Consent of the Instructor.

Students may enroll for up to a total of 12 credit hours of Internship and/or Independent Study during their UCF undergraduate career. Arrangements for internships are coordinated by the Director of Department Undergraduate Program and require approval prior to beginning the work.

5. Restricted Electives

Successful completion of Data Analysis (SYA 4450).

7. Foreign Language Requirements

Admissions

Met by graduation requirement.

Graduation

Proficiency equivalent to two semesters of college instruction in either a foreign language, or American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives

Select electives primarily from 3000 and 4000 level courses from within the Sociology Department, as well as from other departments.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A minimum of “C” (2.0) or better in each course used for the major.

Students must have at least a “C” (2.0) or better overall in the major.
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact your advisor for information about the program.

Related Programs
- Anthropology
- Communication & Conflict
- Criminal Justice
- Political Science
- Psychology
- Social Sciences
- Women's and Gender Studies

Certificates
- None

Related Minors
- None

Advising Notes
- Student majors are assigned a faculty advisor. To meet with your advisor, you should check their office hours or contact them via email or the department office phone to set up an appointment. If you do not know who your advisor is, contact the main office.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000 - Although the Common Program Prerequisites accepts any lower division sociology course, Introduction to Sociology must be taken because it is the basic course in Sociology.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Math, take Math Placement Test ~ http://utcs.des.ucf.edu

Freshman Year - Fall 16 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ENC 1101 Composition I 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- GEP- Math 3 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
- Free Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 16 hrs
- SYA 3110 Social Theory 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs

Junior Year - Fall 14 hrs
- SYA 4300C Research Methods 4 hrs
- SYA 3400C Applied Social Statistics 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Spring 14 hrs
- SYA 4450 Data Analysis: Capstone 4 hrs
- Free Elective 3 hrs
- Free Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Spanish (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 519

http://mll.cah.ucf.edu/

Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
UCF Degree Programs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)

   Math 6 hrs
   Suggested
   MGF 1106 Finite Mathematics or
   MGF 1107 Explorations in Mathematics 3 hrs

   Statistics - Computers 3 hrs
   Select a course from GEP C.2 list
   You may substitute a higher level math with appropriate
   scores on the Math Placement Test

   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
   1 SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   1 SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
   1 May be met by proficiency test or completion of SPN 3234

3. Core Requirements: Basic Level
   SPN 3234 Advanced Directed Readings 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   1 SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   1 SPN 3420 Spanish Composition 3 hrs
   1 SPN 3760 Advanced Spanish Oral Communication 3 hrs

   Select one of the following sequences of courses:
   SPW 3100 Survey of Spanish Literature I and 3 hrs
   SPW 3101 Survey of Spanish Literature II 3 hrs
   or
   SPW 3130 Survey of Latin-American Literature I and 3 hrs
   SPW 3131 Survey of Latin-American Literature II 3 hrs

   1 A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

5. Restricted Electives (21 hrs)
   Select one linguistics course from the following
   3 hrs
   SPN 4901 Spanish Morphology
   SPN 4800 The Syntax of Spanish
   SPN 4780 Spanish Phonetics
   SPN 4852 Bilinguismo
   SPN 4850 Structure of the Spanish Language

   Spanish literature beyond the survey level 3 hrs
   Any 4000 level SPW course not already used in the major

   Select one Culture and Civilization 3 hrs
   SPN 4510 Spanish Civilization and Culture or
   SPN 4520 Latin American Civilization and Culture

   Additional Spanish electives 12 hrs
   Select any 3000, 4000, 5000 SPN, SPW, SPT courses not already used in the major *Maximum of 9 hours of 5000 level courses accepted

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   None

   Graduation
   Met by Common Program Prerequisites.

8. Electives
   Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
    - Students are required to satisfactorily complete a departmental exit exam, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should consult the Spanish Section Director for more information.
    - None

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required 120

   Honors In Major
   None

   Related Programs
   None

   Related Minors
   French
   Certificates
   None

   Transfer Notes
   Lower division courses do not substitute for upper division courses.
   Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
   Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

   Acceptable Substitutes for Transfer Courses
   None
Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.

**Freshman Year - Fall**  16 hrs
- ANT 2000  General Anthropology  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs
- Elective / Minor  3 hrs

**Freshman Year - Spring**  14 hrs
- ENC 1102  Composition II  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
- Elective / Minor  4 hrs

**Sophomore Year - Fall**  15 hrs
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ARH 2050  History of Western Art I  3 hrs
- POS 2041  American National Government  3 hrs
- PSC 1121  Physical Science  3 hrs
- SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs

**Sophomore Year - Spring**  15 hrs
- BSC 1005  Biological Principles  3 hrs
- MUL 2010  Enjoyment of Music  3 hrs
- COM 1000  Introduction to Communication  3 hrs
- SPN 3234  Advanced Directed Readings  3 hrs
- Elective / Minor  3 hrs

**Junior Year - Fall**  15 hrs
- SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
- SPN 3420  Spanish Composition  3 hrs
- SPN 3760  Advanced Spanish Oral Communication  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

**Junior Year - Spring**  15 hrs
- SPW 3101  Survey of Spanish Literature II  3 hrs
- SPN 4780  Spanish Phonetics  3 hrs
- SPN 3141  Business Spanish II  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Fall**  15 hrs
- SPW 3100  Survey of Spanish Literature I  3 hrs
- SPN 4510  Spanish Civilization and Culture  3 hrs
- SPN 5705  Introduction to Spanish Linguistics  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

**Senior Year - Spring**  15 hrs
- SPW 3101  Survey of Spanish Literature II  3 hrs
- SPW 4604  Cervantes  3 hrs
- SPN 4410  Advanced Spanish Conversation  3 hrs
- Elective / Minor  3 hrs
- Elective / Minor  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Sport and Exercise Science (B.S.)
Department of Educational and Human Sciences,
Education Building, Room: 209
[http://education.ucf.edu/sportexscience](http://education.ucf.edu/sportexscience)
Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The Sport and Exercise Science B.S. program offers students the option of two tracks, Coaching and Human Performance, offered at the Orlando campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Coaching Track includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement.

Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit [http://www.fldoe.org/edcert/](http://www.fldoe.org/edcert/) The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students who may be continuing on to graduate school in a clinical or medical area should consider pre-requisites for graduate school when choosing certain classes. Students are advised to check the Graduate Program's website for updated information, as well as the Undergraduate Catalog for appropriate General Education courses.

### Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.
- Meet the Gordon Rule requirement
- Meet the Foreign Language Admission requirement

### Degree Requirements
- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- All pre-requisites for courses taught within the Sport and Exercise Science program will be enforced and a required grade of “C” (2.0) or better must be reflected on the degree audit.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

#### 1. UCF General Education Program (GEP)  (37 hrs)

**A: Communication Foundations**  (9 hrs)
- Required ENC 1101  Composition I  3 hrs
- Required ENC 1102  Composition II  3 hrs
- Prefer STA 1608  Fundamentals of Oral Communication  3 hrs

**B: Cultural & Historical Foundations**  (9 hrs)
- General Education Program elective from section B1 to meet Gordon Rule Requirement

**Select 1:**
- Prefer MUL 2010  Enjoyment of Music or 3 hrs
- Prefer THE 2000  Theatre Survey or 3 hrs
- Prefer PHI 2010  Introduction to Philosophy  3 hrs

**General Education Program elective: Prefer a second course from GEP section B1**

**C: Mathematical Foundations**  (6 hrs)

**Select 1:**
- Prefer MAC 1114C  College Trigonometry  3 hrs
- Prefer STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2023  Statistical Methods I  3 hrs
UCF Degree Programs

D: Social Foundations (6 hrs)
Choose one of the following:
- POS 2041 American National Government 3 hrs
- PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs

Select 1: 3 hrs
- PSC 1121 Physical Science or 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP)
- See Transfer Notes for possible substitutes for the following course.
- BSC 2010C Biology I GEP

3. Core Requirements: Basic Level (22 hrs)

Core Requirements for Sport and Exercise Science

Science:
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- PET 3097 Health and Wellness 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Select 1: 4 hrs
- ZOO 3736C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
- PET 4312C Kinesiology/Biomechanics or 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
- Select one of the following tracks

A. Track 1 - Coaching 24 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FDOE: PEO 3624, PEO 3644, PEG 3324, PEO 3514 or PEO 3341. For further information regarding the Athletic Coaching Endorsement, visit http://www.fldoe.org/edcert/

B. Track 2 - Human Performance 24 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs

5. Restricted Electives (25 hrs)
- Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.
- Courses completed and already used to satisfy General Education Program, Basic Level, Advanced Level and selected Track requirements may not be used to meet the Restricted Elective requirement.

- Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:
- PET 4083 Personal Training Methods 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs

6. Capstone Requirements (12 hrs)
- Select 1: 9 hrs
- PET 4901 Capstone in Sport and Exercise Science 3 hrs
- PET 4926 Sport and Exercise Science Practicum or 9 hrs

Take 3 additional electives in the program approved by the advisor.

- During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.

- Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.

- If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

7. Foreign Language Requirements Admissions
- (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
UCF Degree Programs

Graduation
- None

8. Electives
- Restricted Electives as listed above.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- Coaching
- Fitness Training

Advising Notes
- Students must meet with their advisor before enrolling each term.

Transfer Notes
- Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable if taken at a Florida College System institution:
  - BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.
  - BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study
- The Coaching and Human Performance Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Select 1:
- PSC 1121 Physical Science or 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring

- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

Select 1:
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall

- GEP B1 Elective 3 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- Elective Courses (2000 level or higher) 6 hrs

Select 1:
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring

- PET 3097 Health and Wellness 3 hrs
- GEP B3 Elective (Prefer course from section B1) 3 hrs
- Elective Course (2000 level or higher) 6 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Coaching Track

Junior Year - Fall

- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 3765 Coaching Theory 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs
- PET 4050C Motor Development and Learning 3 hrs

Junior Year - Spring

- Elective Course (2000 level or higher) 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Junior Year - Summer

- Elective Courses (2000 level or higher) 4 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Senior Year - Fall

- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs
- Elective Course (2000 level or higher) 3 hrs
- PET 3361 Coaching Methods and Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs

Select 1:
- PET 4325 Functional Kinesiology for Sport and Exercise Science or 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs

Senior Year - Spring

- PET 4901 Capstone in Sport and Exercise Science 3 hrs

Select 1:
- PET 4926 Sport and Exercise Science Practicum or 9 hrs

Take 3 additional electives in the program approved by advisor.

Human Performance Track

Junior Year - Fall

- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs

Select 1:
- ZOO 3736C Exercise Physiology Anatomy or 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Junior Year - Spring

- Elective Course (2000 level or higher) 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

Junior Year - Summer

- Elective Courses (2000 level or higher) 4 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

Senior Year - Fall

- Elective Course (2000 level or higher) 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
## UCF Degree Programs

### Social Sciences: Select one. 3 hrs
- C: Mathematical Foundations (7 hrs)
- B: Cultural & Historical Foundations (9 hrs)
- A: Communication Foundations (9 hrs)

Note: Certain courses must be selected in the GEP for this major. The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

### Statistics (B.S.)
#### College of Sciences
#### Department of Statistics,
#### Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
Phone: 407-823-2289

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by, the Statistics Department at UCF.

### 1. UCF General Education Program (GEP) (39 hrs)
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### 2. Core Requirements: Basic Level (40 hrs)
- STA 2023 Statistical Methods I 3 hrs
- STA 2032 Probability and Statistics for Engineers 3 hrs

### 3. Core Requirements: Advanced Level (40 hrs)
- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 4500 Numerical Calculus 3 hrs

### Complete two laboratory courses designed for science majors;
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- Note: both semesters do not have to be in the same subject area.
- Note: depending on which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

### Select two semesters within the following;
- See Basic Core for details.

### Core: Required, satisfies the CPP
- COP 3233C Introduction to Programming with C and CPP
- MAC 2311C Calculus with Analytic Geometry I and CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and CPP
- STA 2023 Statistical Methods I and CPP

### - and two semesters equivalent within the following:
- These satisfy the requirement for two semesters equivalent of science courses with labs designed for majors.
- CHM 2045C Chemistry Fundamentals I and CPP

### - or an alternate sequence,
- These two semesters only count as one, and are considered as equivalent to the above course.
- CHM 2040 Chemistry Fundamentals IA and GEP/CPP
- CHM 2041 Chemistry Fundamentals IB and GEP/CPP

### - or complete both
- Lecture plus lab count as one semester.
- CHM 2046 Chemistry Fundamentals II and GEP/CPP
- CHM 2046L Chemistry Fundamentals Laboratory and CPP

### Undergraduate Catalog 2016-2017
Select from the following courses;  
- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs

Select from the following courses;  
- COT 3100C Introduction to Discrete Structures or 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs

Select from the following courses;  
- STA 3096 Statistical Graphics or 3 hrs
- STA 4173 Biostatistical Methods or 3 hrs
- STA 4183 Theory of Interest or 3 hrs
- STA 4184 Introduction to Derivative Markets or 3 hrs
- STA 4186 Theory of Derivative Pricing or 3 hrs
- STA 4222 Sample Survey Methods or 3 hrs
- STA 4502 Nonparametric Statistical Methods or 3 hrs
- STA 4504 Categorical Data Analysis or 3 hrs
- STA 4686 Statistical Quality Control or 3 hrs
- STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (9 hrs) 
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
  - All MÆ courses

6. Capstone Requirements 
- None

7. Foreign Language Requirements 

   Admissions 
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation 
   - None

8. Electives 
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403 Business Finance 3 hrs

9. Additional Requirements 
- None

10. Required Minors 
- None

11. Departmental Exit Requirements 
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- Students must achieve a minimum 2.0 cumulative GPA in all computer science and mathematics courses satisfying major requirements.
- Students must achieve a minimum cumulative GPA of 2.0 in all courses satisfying major requirements.
- Take SOA Exam P (Probability) and report the score to the department.

12. University Minimum Exit Requirements 
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 
120

Honors In Major 
- None

Related Programs 
- Mathematics - Applied Track
- Mathematics Education

Certificates 
- None

Related Minors 
- Statistics
- Mathematics

Advising Notes 
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Lower division courses do not substitute for upper division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses 
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and may still need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY/ prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program’s core and will still need to be taken.

Plan of Study (120 hrs) 
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs

Freshman Year - Spring 
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- BSC 2043C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs

Select one course: 
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall 
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 
- STA 4164 Statistical Methods III 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 4 hrs
Technical Education and Industry Training (B.S.)
College of Education and Human Performance

Department of Child, Family and Community Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, ED 123 N, JoAnn.Whiteman@ucf.edu, 407-823-5305

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Technical Specialization Requirements
- Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives
- With advisor’s approval

Directed Field Experience
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1808 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course (Prefer State General Education Core Course) 3 hrs
- Cultural-Historical Foundations Course 3 hrs

Select 1: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course (Prefer State General Education Core Course) 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs

Sophomore Year - Fall 12 hrs
- EDP 2005 Introduction to the Teaching Profession 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Spring 12 hrs
- EDP 2065 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course (Prefer State General Education Core Course) 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs

Select 1: 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or
- ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- Technical Specialization Courses 9 hrs

University of Central Florida

UCF Degree Programs

Theatre - Acting Track (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Be Boyd Coordinator, Belinda.Boyd@ucf.edu
Phone: 407-823-2862

The Bachelor of Fine Arts track in Acting is offered for students who, upon graduation, plan to pursue a specialized performance career in Acting. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of acting. Class work is augmented with practical production experiences. Drawing upon the teachings of Stanislavski-based methodologies, as well as other successful practical acting techniques, the professional acting program offers an organic approach to performance training. The program begins with a focus on the fundamentals of acting: development of imagination, self-awareness, improvisation, voice production/diction and movement. During the first two years, the student also receives training in script analysis, singing and dance. The training then moves to an emphasis on characterization, character development and studio training/scene study. This practical study, drawn from the total range of dramatic literature, provides the student with performance experiences ranging from the classical to the contemporary, including verse and musical theatre. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the work force following graduation, the BFA is an excellent degree for students interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program.

Admission Requirements
- The departmental faculty evaluates students desiring to become BFA majors via auditions and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at http://www.theatre.ucf.edu. All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- The Acting plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.

- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook- Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.

- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

- All BFA Acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.

- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.

- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- Courses designated 1 (General Education Program) are taken throughout all four years.

- Co-op cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

1 Required THE 2020 Survey of Theatre for Majors 3 hrs

1 This course is only taught during the fall semesters

C: Mathematical Foundations (6 hrs)

Math: 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

Suggested MGF 1106 Finite Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors GEP

1 THE 2305 Script Analysis for Theatre 3 hrs

THE 2926L Theatre Participation - Management I 1 hr

TPA 2200L Theatre Participation-Production I 1 hr

TPP 2110C Acting I - Introduction 3 hrs

1 TPP 2220 Introduction to Technical Theatre 2 hrs

TPA 2200L Intro to Technical Theatre Lab 1 hr

Theatre Electives (THE, TPP, TPA prefix) 9 hrs

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (12 hrs)

TPA 2248C Makeup Techniques 2 hrs

DAA 2200C Ballet I 2 hrs

TPP 2170C Acting II -The Actor Prepares 3 hrs

TPP 2710C Voice Production I 2 hrs

TPP 2190L Theatre Participation-Performance I 1 hr

Select 1: 2 hrs

DAA 2100C Modern Dance I or 2 hrs

DAA 2570C Jazz Dance I 2 hrs

4. Core Requirements: Advanced Level (55 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

TPP 3310C Directing for Theatre I 3 hrs

TPP 3173C Acting III - Building the Character 3 hrs

TPP 4140C Acting IV - Creating the Role 3 hrs

TPP 4142C Acting Verse 3 hrs

TPP 4265C Camera Acting 3 hrs

TPP 3711C Voice Production II 2 hrs

TPP 3712C Voice Production III 2 hrs

TPP 4730C Dialects 2 hrs

TPP 3510C Movement for the Actor I 2 hrs

TPP 3513C Movement for the Actor II 2 hrs

TPP 4531C Period Movement 2 hrs

TPP 4512C Stage Combat 2 hrs

TPP 3257C Musical Theatre Voice Techniques 2 hrs

TPP 3258C Musical Theatre Voice Styles 2 hrs

TPP 4221 Auditioning 3 hrs

TPP 4223C Theatre Careers for Performance 3 hrs

TPP 4940L Theatre Internship 6 hrs

THE 4954 Theatre Exit Critique 0 hrs

Select 1 1 hr

TPA 4298L Theatre Participation-Production II or 1 hr

THE 4093L Theatre Participation-Management II or 1 hr

TPP 4193L Theatre Participation-Performance II 1 hr

1 See Transfer Notes for possible substitutions.

5. Restricted Electives (6 hrs)

Any THE, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research, and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course

- Maintain a Theatre GPA of “B” (3.0) or better

- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.

- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
### UCF Degree Programs

- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by a computer science course.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 129

#### Honors in Major
- None

#### Related Programs
- Art
- Film
- Music
- Theatre Studies
- Theatre - Musical Theatre Track

#### Certificates
- None

#### Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

#### Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- THE 2020 May use any introductory course. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
- THE 2305 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. TPA 2200 and TPA 2200L may be substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with THE 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.
- TPP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

#### Plan of Study

##### Freshman Year - Fall
- THE 2020 Survey of Theatre for Majors
- TPP 2710C Voice Production I
- THE 2305 Script Analysis for Theatre
- TPP 3510C Movement for the Actor I
- General Education

##### Freshman Year - Spring
- TPP 3711C Voice Production II
- TPP 2110C Acting I - Introduction
- TPP 3513C Movement for the Actor II
- TPP 2248C Makeup Techniques
- General Education

##### Sophomore Year - Fall
- TPP 2110C Acting I - Introduction
- TPP 3713C Acting II - Building the Character
- TPP 4221 Auditioning
- TPP 3311 Theatre History and Dramatic Literature I
- TPP 2170C Acting II - The Actor Prepares
- TPP 2200L Intro to Technical Theatre Lab
- DAA 2200C Ballet I
- TPP 3712C Voice Production III
- General Education

##### Sophomore Year - Spring
- TPP 3177C Acting III - Building the Character
- TPP 3177C Acting III - Building the Character
- TPP 4140C Acting IV - Creating the Role
- TPP 3313 Theatre History and Dramatic Literature II
- TPP 3257C Musical Theatre Voice Techniques
- General Education

##### Junior Year - Fall
- TPP 4140C Acting IV - Creating the Role
- TPP 4531C Period Movement
- TPP 3259C Musical Theatre Voice Styles
- TPP 3313 Theatre History and Dramatic Literature III
- TPP 3310C Directing for Theatre I
- General Education

##### Junior Year - Spring
- TPP 4142C Acting Verse
- DAA 2570C Jazz Dance I or II
- DAA 2100C Modern Dance I
- DAA 2200C Ballet I
- TPP 4223C Theatre Careers for Performance
- DAA 2570C Jazz Dance I or II
- TPP 4223C Theatre Careers for Performance
- DAA 2200C Ballet I
- General Education

##### Junior Year - Summer
- TPP 4940L Theatre Internship
- Junior Year Summer

##### Senior Year - Fall
- TPP 4265C Camera Acting
- TPP 4730C Dialects
- Theatre Elective
- Theatre Elective
- Theatre Elective
- Theatre Participation
- General Education
- THE 4954 Theatre Exit Critique
- Audit Check

##### Senior Year - Spring
- TPP 4512C Stage Combat
- Theatre Elective
- Theatre Elective
- Theatre Elective
- Theatre Participation
- General Education
- Theatre Elective

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
The Bachelor of Fine Arts track in Design and Technology is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of design and technology. Students can expect to work alongside faculty as design or technical assistants in their first two years and will be given the opportunity for technical leadership opportunities including, prop master, master electrician, first hand, draper, scenic artist, master carpenter, technical director, etc. Those who qualify and wish to pursue design areas can be offered design positions within the production season. The curriculum requires students to become proficient in design and technology related to scenery, costumes, lighting and sound through specified coursework. Students then select one or two areas of specialization where their production assignments will focus in their junior and senior years, thus giving each student practical experience as they build their professional portfolios. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with class room exploration.

**Admission Requirements**

- The departmental faculty evaluates students desiring to become BFA Design and Technology majors via portfolio reviews and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- The Design and Technology plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

**Degree Requirements**

- Students who change degree programs and select this major must choose the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources).
- Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook-Theatre ([http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources)) for details on program standards.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

- All BFA Design and Technology majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.
- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Co-op cannot be used in this major.

1. **UCF General Education Program (GEP)** (36 hrs)
   **A: Communication Foundations** (9 hrs)
   - Required: THE 2020 Survey of Theatre for Majors 3 hrs
   - Required: ARH 2051 History of Western Art II 3 hrs
   1 This course is only taught during Fall semesters.

2. **C: Mathematical Foundations** (6 hrs)
   - Math: 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics or
     - Suggested MGF 1106 Finite Mathematics or
     - You may substitute a higher level math with appropriate scores on the Math Placement Test.

3. **D: Social Foundations** (6 hrs)

4. **E: Science Foundations** (6 hrs)

5. **2. Common Program Prerequisites (CPP)** (20 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - 1 THE 2020 Survey of Theatre for Majors GEP
     - 1 THE 2305 Script Analysis for Theatre 3 hrs
     - 1 THE 2305L Theatre Participation - Management I 1 hr
     - TP A 2200L Theatre Participation-Production 1 hr
     - TPA 2110C Acting I - Introduction 3 hrs
     - TPA 2210 Stagecraft I 3 hrs
     - Theatre Electives (THE, TPP, TPA prefix) 9 hrs
   1 See Transfer Notes for possible substitutes.

6. **3. Core Requirements: Basic Level** (20 hrs)
   - ARH 2051 History of Western Art II GEP
   - TPA 2210L Stagecraft I Lab 1 hr
   - TPA 2211L Stagecraft II Lab 3 hrs
   - TPA 2211L Stagecraft II Lab 1 hr
   - TPA 2220C Stage Electronics 3 hrs
   - TPA 2071C Theatre Rendering 3 hrs
   - TPA 2230C Costume Construction 3 hrs
   - TPA 2000C Theatre Design Basics 3 hrs
   - TPA 2600 Stage Management: Introduction 3 hrs
   1 This course is only taught during Fall semesters.

7. **4. Core Requirements: Advanced Level** (53 hrs)
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - THE 3313 Theatre History and Dramatic Literature III 3 hrs
   - 1 TTP 3310C Directing for Theatre I 3 hrs
   - TPA 4285 Theatre Participation-Production II 1 hr
   - TPA 3077C Scene Painting 3 hrs
   - THE 4284 Period Costume, Architecture, and Decor I 3 hrs
   - THE 4285 Period Costume, Architecture, and Decor II 3 hrs
   - TPA 3195L Summer Theatre Studio/Design I 3 hrs
   1 This course is only taught during Fall semesters.
5. Restricted Electives

- Film - Cinema Studies
- Art - Studio
- Dance
- Event Management
- Performing Arts Administration
- Theatre Studies

6. Capstone Requirements

- Honors In Major

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- none

8. Electives

- none

9. Additional Requirements

- none

10. Required Minors

- none

11. Departmental Exit Requirements

- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 129

Honors in Major

- Honors in the Major is encouraged and supported but not required.

Related Programs

- Art
- Film
- Music
- Theatre Studies

Certificates

- none

Related Minors

- Theatre
- Event Management
- Performing Arts Administration
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes

- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes

- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for common program prerequisites if taken prior to transferring to UCE:

THE 2020: May use any introductory course, however all students are encouraged to take THE 2020. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
THE 2305: May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. Stage Management students are encouraged to take this course at UCF.
TPA 2210 may be substituted with any introductory Stagecraft course. TPA 2210L will still need to be taken at UCF.
TPP 3310C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing Course.
TPP 2110C Acting I- Introduction may be substituted with any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall 16 hrs

THE 2020 Survey of Theatre for Majors 3 hrs
TPA 2210 Stagecraft I 3 hrs
TPA 2210L Stagecraft I Lab 1 hr
TPA 2000C Theatre Design Basics 3 hrs
TPA 2220C Stage Electronics 3 hrs
TPA 2600 Stage Management: Introduction 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs

Freshman Year - Spring 15 hrs

TPA 4250C CADD for Theatre 2 hrs
TPA 2071C Theatre Rendering 3 hrs
TPA 2211 Stagecraft II 3 hrs
TPA 2211L Stagecraft II Lab 1 hr
TPA 2230C Costume Construction 3 hrs
THE 2305 Script Analysis for Theatre 3 hrs

Freshman Year - Summer 6 hrs

TPA 3195L Summer Theatre Studio/Tech/Design I 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs

Sophomore Year - Fall 15 hrs

THE 3311 Theatre History and Dramatic Literature I 3 hrs
TPA 4251C Advanced CADD for Theatre 2 hrs
TPA 2290L Theatre Participation-Production I 1 hr
TPA 3077C Scene Painting 3 hrs
TPA 2600 Stage Management: Introduction 3 hrs
TPA 4940L Theatre Internship 6 hrs
TPA 3077C Scene Painting 3 hrs
TPA 4401C Theatre Careers in Production 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II 3 hrs
### UCF Degree Programs

#### Theatre - Musical Theatre Track (B.F.A.)

**College of Arts and Humanities**

**Department of Theatre,**

**Performing Arts Center, Room: 210A**


Earl Weaver, earl.weaver@ucf.edu

Phone: 407-823-5158

The Bachelor of Fine Arts track in Musical Theatre is offered for students who, upon graduation, plan to pursue a specialized performance career on the musical theatre stage. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in all areas of musical theatre. The Musical Theatre B.F.A. program offers a sequence of courses in acting, movement, voice, dance, music theory, and piano. Classwork is augmented with practical production experiences. Drawing upon a variety of acting, dance, and voice methodologies, the professional musical theatre performance program offers an organic approach to musical theatre performance training. The first two years focus on the fundamentals of music theory, piano, acting, ballet, jazz, and musical theatre voice, with an emphasis on the development of artist’s instrument. During the junior and senior years, emphasis is placed on studio training, musical theatre scene study, and musical theatre repertoire. The program culminates within a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the work force following graduation, the BFA is an excellent degree for students interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program.

#### Admission Requirements

- The departmental faculty evaluates students desiring to become BFA majors via auditions and interviews. This should be completed the academic year prior to attending UCF. For complete information visit the audition site online at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu). All BFA students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available on the department website at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources).

- Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre for details on program standards.

- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.

- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- Courses designated 1 (General Education Program) are taken throughout all four years.

- Co-op cannot be used in this major.

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm)

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3312 Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 2925L Theatre Participation - Management I</td>
<td>1 hr</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>13 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 3313 Theatre History and Dramatic Literature III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2110C Acting I - Introduction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4288L Theatre Participation-Production II</td>
<td>1 hr</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portfolio Review</td>
<td></td>
</tr>
<tr>
<td>TPA 440IC Theatre Careers in Production</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3265C Sound Design for Theatre I or</td>
</tr>
<tr>
<td>TPA 3223C Lighting Design for Theatre I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4066C Advanced Scenography or</td>
</tr>
<tr>
<td>General Education</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Junior Year - Summer</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4940L Theatre Internship</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audit Check</td>
<td></td>
</tr>
<tr>
<td>Theatre Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 428 Period Costume, Architecture, and Decor I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3310C Directing for Theatre I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4954 Theatre Exit Critique</td>
<td>0 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3060C Scenic Design for Theatre I or</td>
</tr>
<tr>
<td>TPA 3045C Costume Design for Theatre I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portfolio Review</td>
<td></td>
</tr>
<tr>
<td>THE 4285 Period Costume, Architecture, and Decor II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 4066C Advanced Scenography or</td>
</tr>
<tr>
<td>General Education</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPA 3265C Sound Design for Theatre I or</td>
</tr>
<tr>
<td>TPA 3223C Lighting Design for Theatre I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Program Academic Learning Compacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required: THE 2020 Survey of Theatre for Majors 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers (6 hrs)
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 1 THE 2020 Survey of Theatre for Majors GEP
- 1 THE 2305 Script Analysis for Theatre 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- TPA 2290L Theatre Participation-Production I 1 hr
- 1 TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2200L Intro to Technical Theatre Lab 1 hr
- 1 TPP 2110C Acting I - Introduction 3 hrs
- Theatre Electives (THE, TPP, TPA prefix) 9 hrs
- *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (25 hrs)
- MUT 1121 Music Theory and Musicanship I 4 hrs
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MKV 1111 Class Piano I 1 hr
- MKV 1112 Class Piano II 1 hr
- DAA 2200C Ballet I 2 hrs
- DAA 2201C Ballet II 2 hrs
- DAA 2570C Jazz Dance I 2 hrs
- DAA 2571C Jazz Dance II 2 hrs
- DAA 2520C Tap Dance I 2 hrs
- TPP 2248C Makeup Techniques 2 hrs
- TPP 2170C Acting II -The Actor Prepares 3 hrs

4. Core Requirements: Advanced Level (48 hrs)
- TPP 3173C Acting III - Building the Character 3 hrs
- TPP 4140C Acting IV - Creating the Role 3 hrs
- TPP 3251C Musical Theatre Monologue 2 hrs
- TPP 3252C Musical Theatre Scene Study 2 hrs
- THE 3240 Musical Theatre Survey 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPP 2742C Estill for Musical Theatre - Craft 2 hrs
- TPP 3272C Estill for Musical Theatre - Artistry 2 hrs
- TPP 3743C Musical Theatre Applied/Studio Voice I 2 hrs
- TPP 3744C Musical Theatre Applied/Studio Voice II 2 hrs
- TPP 4269C MT Applied/Studio Voice III 2 hrs
- TPP 4270C MT Applied/Studio Voice IV 2 hrs
- TPP 4271C MT Applied/Studio Voice V 2 hrs
- TPP 4923C MT Applied/Studio Voice VI 2 hrs
- TPP 4940L Theatre Internship 6 hrs
- TPP 4226C Theatre Careers for Performance 3 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- TPP 4103L Theatre Participation-Performance II 1 hr
- THE 4954 Theatre Exit Critique 0 hrs

5. Restricted Electives
- Any THE, TPP, DAA, or DAN course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives.
- Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None
- Electives
  - (variable)
- Additional Requirements
  - None

8. Required Minors
- None

9. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre course
- Maintain a Theatre GPA of “B” (3.0) or better
- Complete an Exit Survey, Exit Interview, and Audit
- Check the semester prior to final semester of theatre classes
- Minimum of 60 theatre credits must be completed in residency at UCF
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1063C or a computer science course.

10. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

11. Total Semester Hours Required
- 129

12. Honors In Major
- None

Related Programs
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a departmental advisor may lead to release from the program.

Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
## UCF Degree Programs

- **Courses taken at Florida College System institutions** may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- **Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credits.** The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- **Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:**
  - THE 2020 May use any introductory course. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective. 3 hrs
  - THE 2305 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. 3 hrs
  - TPA 2200 May be substituted with any introductory Stagecraft Course. Lab will still need to be taken. 2 hrs
  - TPP 3310C Acting I - Introduction may be substituted with any introductory acting for theatre course. 3 hrs

### Plan of Study

#### Freshman Year - Fall
- **THE 2020** Survey of Theatre for Majors 3 hrs
- **DAE 2200C** Cell I 2 hrs
- **THE 2305** Script Analysis for Theatre 3 hrs
- **General Education** 3 hrs
- **TPA 2290L** Theatre Participation-Production I 1 hr
- **TPP 2742C** Estill for Musical Theatre - Craft 2 hrs

#### Freshman Year - Spring
- **TPP 2110C** Acting I - Introduction 3 hrs
- **DAE 2201C** Cell II 2 hrs
- **General Education** 3 hrs
- **TPP 3272C** Estill for Musical Theatre - Artistry 2 hrs
- **General Education** 3 hrs
- **General Education** 3 hrs

#### Sophomore Year - Fall
- **MUT 1121** Music Theory and Musicanship I 4 hrs
- **MVK 1111** Class Piano II 1 hr
- **TPP 2170C** Acting II - The Actor Prepares 3 hrs
- **DAE 2570C** Jazz Dance I 2 hrs
- **TPP 3743C** Musical Theatre Applied/Studio Voice I 2 hrs
- **THE 3240** Musical Theatre Survey 3 hrs

#### Sophomore Year - Spring
- **MUT 1122** Music Theory and Musicanship II 4 hrs
- **MVK 1112** Class Piano III 1 hr
- **DAE 2571C** Jazz Dance II 2 hrs
- **TPP 3173C** Acting III - Building the Character 3 hrs
- **THE 3311** Theatre History and Dramatic Literature I 3 hrs
- **TPP 3744C** Musical Theatre Applied/Studio Voice II 2 hrs

#### Junior Year - Fall
- **TPA 2248C** Makeup Techniques 2 hrs
- **General Education** 3 hrs
- **TPP 4259C** MT Applied/Studio Voice III 2 hrs
- **TPP 3251C** Musical Theatre Monologue 2 hrs
- **General Education** 3 hrs
- **THE 3312** Theatre History and Dramatic Literature II 3 hrs

#### Junior Year - Spring
- **TPP 4223C** Theatre Careers for Performance 3 hrs
- **TPP 4271C** MT Applied/Studio Voice IV 2 hrs
- **TPP 3252C** Musical Theatre Scene Study 2 hrs
- **General Education** 3 hrs
- **TPA 2200** Introduction to Technical Theatre 2 hrs
- **TPA 2200L** Intro to Technical Theatre Lab 1 hr

#### Junior Year - Summer
- **TPP 4940L** Theatre Internship 6 hrs

#### Senior Year - Fall
- **DAA 2520C** Tap Dance I 2 hrs
- **General Education** 3 hrs
- **THE 4954** Theatre Exit Critique 0 hrs
- **General Education** 3 hrs
- **TPP 4140C** Acting IV - Creating the Role 3 hrs
- **TPP 4271C** MT Applied/Studio Voice V 2 hrs
- **THE 2925L** Theatre Participation - Management I 1 hr
- **Theatre Elective** 3 hrs

#### Senior Year - Spring
- **TPP 3310C** Directing for Theatre I 3 hrs
- **General Education** 3 hrs
- **Theatre Elective** 3 hrs
- **TPP 4923C** MT Applied/Studio Voice VI 2 hrs
- **TPP 4919L** Theatre Participation-Performance II 1 hr
- **Theatre Elective** 3 hrs

### Program Academic Learning Compacts

- **Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term

### Theatre - Stage Management Track (B.F.A.)

#### College of Arts and Humanities

**Department of Theatre, Performing Arts Center, Room: T210A**

**Email:** theatre@ucf.edu

Claudia Lynch, Coordinator, claudia.lynch@ucf.edu, 407-823-2862

The Bachelor of Fine Arts track in Stage Management is offered for students who, upon graduation, plan to pursue a specialized career as a Manager in the entertainment industry including Broadway, Regional Theatre, Touring, Special Events, etc. It provides the student with a thorough foundation in theatre complemented by very structured and intensive career preparation in both the art and the craft of theatrical stage management. Students spend the first year of the curriculum working within the structure of the laboratory classes to gain a thorough understanding of the structure, process, and craft skills. Within the first four semesters, those who qualify receive an assignment on a Stage Management team. The student Stage Managers work with the Faculty Directors to manage the rehearsal process and perform all Department Productions. Stage Managers also have opportunities to work directly with our partner theatres within Orlando (ex. The Orlando Repertory Theatre) as part of the curriculum thus giving each student practical experience as they build their professional portfolios.

The curriculum requires students to become proficient in design, technology, and theatre management through specified coursework. In their advanced course work, student Stage Managers receive a thorough introduction to the collective bargaining agreements within Actor’s Equity Association. The program culminates with a professional internship where students are able to apply their education in a real world work environment. While most students choose to enter the workforce following graduation, the BFA is an excellent degree for students who are interested in pursuing graduate studies in all areas of theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is very challenging. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students thus coordinating production experience with class room exploration.

### Admission Requirements

- The departmental faculty evaluates students desiring to become BFA Stage Management majors via portfolio reviews and interviews. This should be completed the
academic year prior to attending UCF. For complete information visit the audition site online at http://www.theatre.ucf.edu. All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

The Stage Management plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog. Students must follow the most recent department, internship and school student handbooks which are available at http://www.performingarts.cah.ucf.edu/theatre/resources.

■ Students in this major must earn a “C” (2.0) or better or an “S” in each music or theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook: Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.

■ Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

■ All BFA Stage Management majors are required to participate in Fall and Spring productions and must accept the production positions as assigned. Students must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements if they choose. Students may use additional participation credits as electives.

■ The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count towards electives.

■ Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.

■ Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

■ Courses designated 1 (General Education Program) are taken throughout all four years.

■ Co-op cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math (3 hrs)

Suggested MGF 1107 Explorations in Mathematics 3 hrs

or Suggested MGF 1106 Finite Mathematics or

You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers

Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

Required FSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors GEP 3 hrs

THE 2305 Script Analysis for Theatre 3 hrs

THE 2925L Theatre Participation - Management I 1 hr

TPA 2290L Theatre Participation-Production I 1 hr

1 TTP 2110C Acting I - Introduction 3 hrs

1 TPA 2210 Stagecraft I 3 hrs

Theatre Electives [THE, TTP, TPA prefix] 9 hrs

1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (14 hrs)

TPA 2210L Stagecraft I Lab 1 hr

TPA 2000C Theatre Design Basics 3 hrs

TPA 2600 Stage Management: Introduction 3 hrs

TPA 2220C Stage Electronics 3 hrs

TPA 2211 Stagecraft II 3 hrs

TPA 2211L Stagecraft II Lab 1 hr

4. Core Requirements: Advanced Level (59 hrs)

THE 3311 Theatre History and Dramatic Literature I 3 hrs

THE 3312 Theatre History and Dramatic Literature II 3 hrs

THE 3313 Theatre History and Dramatic Literature III 3 hrs

1 TTP 3310C Directing for Theatre I 3 hrs

TPA 4250C CADD for Theatre 2 hrs

TPP 3101 Intermediate Acting 3 hrs

TPA 4298L Theatre Participation-Production II 1 hr

TPA 4298L Theatre Participation-Production II 1 hr

TPA 4298L Theatre Participation-Production II 1 hr

TPA 3601 Stage Management: Techniques 3 hrs

TPA 4602 Stage Management: Applications 3 hrs

TPA 4604 Stage Management: Professional Practice 3 hrs

TPA 4400 Theatre Management 3 hrs

TPA 3195L Summer Theatre Studio/Design I 3 hrs

TPA 3197L Summer Theatre Studio/Design I 3 hrs

THE 4284 Period Costume, Architecture, and Decor I 3 hrs

THE 4285 Period Costume, Architecture, and Decor II 3 hrs

THE 4401C Theatre Careers in Production 3 hrs

THE 4954 Theatre Exit Critique 0 hrs

TPP 4940L Theatre Internship 6 hrs

Select 1: 3 hrs

TPA 3060C Scenic Design for Theatre I or 3 hrs

TPA 3045C Costume Design for Theatre I 3 hrs

Select 1: 3 hrs

TPA 3223C Lighting Design for Theatre I 3 hrs

TPA 3265C Sound Design for Theatre I 3 hrs

TPA 3265C Sound Design for Theatre I 3 hrs

TPA 3265C Sound Design for Theatre I 3 hrs

1 See Transfer Notes for possible substitutes.

5. Restricted Electives

■ None

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ Earn a grade of “C” (2.0) or better in each Theatre course

■ Maintain a Theatre GPA of “B” (3.0) or better

■ Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.

■ Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
UCF Degree Programs

- Minimum of 60 theatre credits must be completed in residency at UCF.
- Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 129

Honors In Major
- Honors in the Major is encouraged and supported but not required.

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Theatre
- Event Management
- Performing Arts Administration
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation. Repeated failure to consult with a department advisor may lead to release from the program.

Transfer Notes
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designated for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirements must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:

THE 2020: May use any introductory course, however all students are encouraged to take THE 2020. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.

THE 2305: May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute. Stage Management students are encouraged to take this course at UCF.

TPA 2200 may be substituted with any introductory Stagecraft course. TPA 2200L will still need to be taken at UCF.

TPP 3310C Directing for Theatre I may be substituted with TPP 2300 or any introductory Theatre Directing Course. Directing for Film cannot substitute.

TPP 2110C Acting I - Introduction may be substituted with any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall
- TPA 2210 Stagecraft I 3 hrs
- TPA 2210L Stagecraft I Lab 1 hr
- TPA 2110C Acting I - Introduction 3 hrs
- TPA 2220C Stage Electronics 3 hrs
- TPA 2600 Stage Management: Introduction 3 hrs

Freshman Year - Spring
- TPA 4250C CADD for Theatre 2 hrs
- TPA 2211 Stagecraft II 3 hrs
- TPA 2211L Stagecraft II Lab 1 hr
- THE 2305 Script Analysis for Theatre 3 hrs
- TPA 3601 Stage Management: Techniques 3 hrs
- General Education 3 hrs

Freshman Year - Summer
- TPA 3195L Summer Theatre Studio/tech/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/tech/Design II 3 hrs

Sophomore Year - Fall
- TPA 2000C Theatre Design Basics 3 hrs
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- TPA 2290L Theatre Participation-Production I 1 hr
- TPP 3103 Intermediate Acting 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Sophomore Year - Spring
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- TPA 4602 Stage Management: Applications 3 hrs
- THE 2925L Theatre Participation - Management I 1 hr
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Junior Year - Fall
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr
- TPA 4604 Stage Management: Professional Practice 3 hrs
- General Education 3 hrs
- General Education 3 hrs

Select 1
- TPA 3060C Scenic Design for Theatre I or 3 hrs
- TPA 3045C Costume Design for Theatre I 3 hrs

Junior Year - Spring
- Portfolio Review 13 hrs
- TPA 4401C Theatre Careers in Production 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr

Select 1
- TPA 3223C Lighting Design for Theatre I or 3 hrs
- TPA 3265C Sound Design for Theatre I 3 hrs

Junior Year - Summer
- TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall
- TPA 4400 Theatre Management 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- TPA 4298L Theatre Participation-Production II 1 hr
- Theatre Elective 3 hrs
- THE 4954 Theatre Exit Critique 0 hrs
- Audit Check 0 hrs
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. The strength of this program is in the opportunity to combine theatre training with the secondary area of study to create career opportunities in theatre and the entertainment industry. Students find direct career paths and a boost in the job market through the combination of major and minor. Students are open to selecting any minor or second major offered within the University. Upon graduation, students choose to enter the job market or pursue advanced education with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- All students must submit three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15 for returning students and are available on our department website. Scholarship applications for incoming students are available on our department website and are due at your interview appointment. Scholarship decisions are typically finalized in August prior to the Fall semester. Applications remain active for one year.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Theatre grades of less than “C” (2.0) will not satisfy the major requirements or count towards total theatre credits.
- Students in this major must earn a “C” (2.0) or better or an “S” in each theatre course and maintain a 3.0 GPA for all courses required in the major and all courses taken in theatre; must not receive a negative evaluation in a regularly scheduled program review; and must not exhibit chronic unprofessional behavior. Failure to meet these standards will result in probation and/or dismissal from the program. Refer to the SPA Undergraduate Student Handbook - Theatre (http://www.performingarts.cah.ucf.edu/theatre/resources) for details on program standards.
- Students must consult with a departmental advisor each semester before registering. Students who do not consult with their departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental advisor may lead to release from the program.

UCF Degree Programs

Theatre Studies (B.A.)

College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Phone: 407-823-2862

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Co-op credit cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required: THE 2020 Survey of Theatre for Majors 3 hrs
   Select one course from B.1 list 3 hrs
   Select one course from B.2 list 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (13 hrs)
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - THE 3313 Theatre History and Dramatic Literature III 3 hrs
   - TPA 3310C Directing for Theatre I 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs

STATISTICS - COMPUTERS
- Select a course from GEP C.2 list 3 hrs

SOCIAL FOUNDATIONS
- None

SCIENCE FOUNDATIONS
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)

Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

All BA Theatre Studies students must register for three semesters of Theatre Participation in addition to the Technical Theatre Production Lab. One Participation credit must be as part of a run crew. One Participation credit must be as part of a Front of House crew. The third required Participation credit can be in either performance, shop assignments, run crews or Front of House.

All Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may use additional participation credits as electives.

- Students must follow the most recent department and school student handbooks which are available on the department web site at [http://www.performingarts.cah.ucf.edu/theatre/resources](http://www.performingarts.cah.ucf.edu/theatre/resources).

The Theatre Department.

- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.

- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

- Co-op credit cannot be used in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required: THE 2020 Survey of Theatre for Majors 3 hrs
   Select one course from B.1 list 3 hrs
   Select one course from B.2 list 3 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (13 hrs)
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - THE 3313 Theatre History and Dramatic Literature III 3 hrs
   - TPA 3310C Directing for Theatre I 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs

345 Undergraduate Catalog 2016-2017
UCF Degree Programs

Select 1: 1 hr
TPA 4288L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

1 See Transfer Notes for possible substitutes

5. Restricted Electives (13 hrs)
- Any THE, TPA, TPP, DAA, or DAN course taught by
  the Theatre Department, except THE 3006, and not already
  applied toward a program requirement. Independent Study,
  Undergraduate Research and Honors in the Major courses
  taught by the Department of Theatre can also be used as
  electives. Exceptions must be approved in advance by the
  Theatre Department Undergraduate Coordinator. Courses
  with these prefixes not taught by the Department of Theatre
  cannot be used in this program.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction
  in a foreign language taught by the Department of Modern
  Languages and Literatures or Judaic Studies. Standardized
  examinations for foreign languages may be used to meet
  the requirement.

8. Electives
- Select primarily from upper level courses after meeting
  with a departmental advisor. Courses may be outside the
  department.

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor
  of at least 18 hours. See selected discipline for Minor
  requirements, information, and changes. University upper
  division credit hour requirements must be met. Students are
  discouraged from taking excess hours and should consider
  total credit hours required when selecting a minor. When no
  official minor is offered, students may complete an 18-credit-
  hour area of concentration when pre-approved by the
  Undergraduate Coordinator.

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Theatre
  course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production
  and pass each section evaluated the semester prior to final
  semester of theatre classes.
- Complete an Exit Survey and Exit Interview/Audit Check
  the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in
  residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be
  completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence,
  CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon
  Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

Advising Notes
- None

Transfer Notes
- Lower level courses taken at Florida College System
  institutions may substitute for select upper division courses
  with permission of the department, although they will not
  count as upper division credits. University minimum upper
  division credit requirement must still be met.
- Courses transferred from private and out-of-state
  schools must be evaluated for equivalency credit. The
  student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- THE 2020 Survey of Theatre for Majors may be
  substituted with THE 2000 or any equivalent course. Some
  students with a transfer substitution choose to take THE
  2020 Survey of Theatre for Majors at UCF as a theatre
  elective.
- THE 2305 Script Analysis for Theatre may use any
  introductory Theatre Play or Script Analysis class.
  Script Analysis for Film cannot substitute.
- TPP 2200 Introduction to Technical Theatre may be
  substituted with any introductory Stagecraft course.
- TPP 3310C Directing for Theatre I may be substituted with
  TPP 2300 or any introductory Theatre Directing course.
- Directing for Film cannot substitute.
- TPP 2110C Acting I - Introduction may be substituted with
  any introductory acting for theatre course.

Plan of Study

Freshman Year - Fall 15 hrs
THE 2020 Survey of Theatre for Majors 3 hrs
TPP 2110C Acting I - Introduction 3 hrs
General Education 3 hrs
ENC 1101 Composition I 3 hrs
General Education 3 hrs

Freshman Year - Spring 15 hrs
THE 2305 Script Analysis for Theatre 3 hrs
TPA 2200 Introduction to Technical Theatre 2 hrs
TPA 2200L Intro to Technical Theatre Lab 1 hr
General Education 3 hrs
Theatre Elective 3 hrs
General Elective 3 hrs

Sophomore Year - Fall 16 hrs
General Education 3 hrs
Theatre Elective 3 hrs
THE 2925L Theatre Participation - Management I 1 hr
General Education 3 hrs
General Education 3 hrs
General Education 3 hrs

Sophomore Year - Spring 15 hrs
THE 3311 Theatre History and Dramatic Literature I 3 hrs
Theatre Elective 3 hrs
General Education 3 hrs
General Education 3 hrs
General Education 3 hrs

Junior Year - Fall 13 hrs
TPA 2298L Theatre Participation-Production I 1 hr
THE 3312 Theatre History and Dramatic Literature II 3 hrs
General Elective 3 hrs
General Education 3 hrs
General Education 3 hrs
Junior Year - Spring 16 hrs
General Elective 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
General Elective 2 hrs
TPP 3310C Directing for Theatre I 3 hrs
General Elective 3 hrs
General Elective 2 hrs

Senior Year - Fall 15 hrs
THE 4954 Theatre Exit Critique 0 hrs
General Elective 3 hrs
Theatre Elective 3 hrs
THE 2925L Theatre Participation - Management I 1 hr
General Elective 3 hrs
General Elective 3 hrs
General Elective 3 hrs
General Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

World Languages Education-Spanish (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
[http://www.education.ucf.edu/language](http://www.education.ucf.edu/language)
Email: kverkler@mail.ucf.edu
Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreassen, ED 125Q, Janet.Andreassen@ucf.edu

The World Languages Education - Spanish B.S. program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Tack is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for courses.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101
3 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
UCF Degree Programs

Lifelong Learning Track 6 hrs
MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements 18 hrs
1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
1 EDF 4467 Learning Theory and Assessment 3 hrs
1 TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
2 EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 Pre-requisite for Internship I (Education Track)
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Education Track Specialization Requirements 21 hrs
1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
2 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs
2 SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs

1 Required prior to Internship I
2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101.

Upper Division Restricted Electives 6 hrs
- Florida College System institution transfer students may substitute lower division restricted electives.
- Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor’s consent. The following courses are recommended:
  SPN 4410 Advanced Spanish Conversation 3 hrs
  SPN 4421 Advanced Spanish Composition 3 hrs
  SPN 4510 Spanish Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs
Select 1:
- SPN 4852 Bilinguismo or 3 hrs
- SPN 4800 The Syntax of Spanish or 3 hrs
- SPN 4801 Spanish Morphology 3 hrs

Internship I 3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-“ or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
FLE 3940 Internship 3 hrs

Internship II Block 12 hrs
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Spanish K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
FLE 4941 Internship 9 hrs
ESE 4033C Critical Issues and Trends in Secondary Education 3 hrs

Lifelong Learning Track Specialization 39 hrs
Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-“ (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
SPN 3760 Advanced Spanish Oral Communication 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 4800 The Syntax of Spanish 3 hrs
SPN 4801 Spanish Morphology 3 hrs
Upper division electives (SPN 3/4XXX with advisor’s consent)
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 2030 Digital Video Fundamentals 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2109 Digital Imaging Fundamentals 3 hrs
DIG 2500 Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004 Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604 Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703 Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs

UNIVERSITY OF CENTRAL FLORIDA 348 Undergraduate Catalog 2016-2017
**UCF Degree Programs**

**Advising Notes**
- None

**Certificates**
- None

**Related Programs**
- None

**Honors In Major**
- None

**Total Semester Hours Required**
- 120

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Achieve a minimum 2.5 GPA in all courses within the major.
- In courses throughout the program, you must upload key assignments into your LiveText Dashboard. These key assignments are then assessed by faculty. The resulting data provides evidence of your demonstrated professional growth, reflection, and proficiency in all Florida Educator Accomplished Practices. All teacher education candidates, lifelong learning majors and early childhood and development and education majors (all ECDE tracks) are required to complete all LiveText requirements in order to be cleared for graduation. [http://livetext.education.ucf.edu/](http://livetext.education.ucf.edu/)

**Education Track**
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Advising Notes**
- None

**Certificates**
- None

**Related Programs**
- None

**Honors In Major**
- None

**Plan of Study**
- Recommended Four Year Sequence of Courses

**Freshman Year - Fall**
- **12 hrs**
  - GEP B1 Elective 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MGF 1106 Finite Mathematics 3 hrs
  - PSY 2012 General Psychology 3 hrs

**Freshman Year - Spring**
- **12 hrs**
  - GEP B3 Elective (Refer course from section B1) 3 hrs
  - ENC 1102 Composition II 3 hrs
  - POS 2041 American National Government 3 hrs
  - PSC 1121 Physical Science 3 hrs

**Freshman Year - Summer**
- **6 hrs**
  - SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

**Select 1:**
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Fall**
- **15 hrs**
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

**Select 1:**
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

**Sophomore Year - Spring**
- **12 hrs**
  - EDF 2270 Adult Development & Learning 3 hrs
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - EDF 2085 Introduction to Diversity for Educators or 3 hrs
  - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs

**Sophomore Year - Summer**
- **3 hrs**

**Junior Year - Fall**
- **15 hrs**
  - EDG 4410 Teaching Strategies and Classroom Management 3 hrs

**Education Track**
- **12 hrs**
  - SPN 3344 Advanced Spanish Native Fluency I and 3 hrs
  - SPN 3760 Advanced Spanish Oral Communication and 3 hrs
  - SPN 4520 Latin American Civilization and Culture 3 hrs

**Lifelong Learning Track**
- **12 hrs**
  - Choose Lifelong Learning Specialization courses 12 hrs

**Junior Year - Spring**
- **12 hrs**
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Education Track**
- **3 hrs**
  - SPN 3345 Advanced Spanish Native Fluency II 3 hrs

**Lifelong Learning Track**
- **3 hrs**
  - MHS 2330 Career Planning 3 hrs

---

**Universities of Central Florida**

**Undergraduate Catalog 2016-2017**
Writing and Rhetoric (B.A.)

College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301-B
http://writingandrhetoric.cah.ucf.edu/
Email: writingandrhetoric@ucf.edu

Dr. Stephanie Vie, Director, Stephanie.Vie@ucf.edu, 407-823-0349
Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0349

The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetoric, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

Admission Requirements

- Students transferring with an AA or AS degree or who have completed their general education courses in composition elsewhere are strongly recommended to enroll in ENC 3314 (Writing & Rhetoric Foundations) as an advanced core requirement course in their first semester at UCF.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C+" (2.25) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- SPC 1608 Fundamentals of Oral Communication 3 hrs

D: Social Foundations (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
- Students should take ENC 3331 and ENC 3502 as early in the program as possible. Students should take ENG 3836 in sophomore or junior year and prior to their Writing Practicum experience.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3502 Researching Writing and Literacy 3 hrs
- ENC 3836 Professional Lives and Literacy Practices 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- Extending Theories and Histories of Writing, Rhetoric, and Literacy
- Students must take at least 6 hours from this category. Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
- ENC 3314 Writing and Rhetoric Foundations 3 hrs
- ENC 3315 Argumentative Writing 3 hrs
- ENC 3330 Rhetorical Traditions 3 hrs
- ENC 3373 Cultural Rhetorics 3 hrs
- ENC 3417 Literacy and Technology 3 hrs
- ENC 3503 Topics in Writing & Literacy Studies 3 hrs
- ENC 3521 Writing Across Difference 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- ENC 4434 Visual and Material Rhetorics 3 hrs
- ENC 4504 Contemporary Composition Theory 3 hrs

5. Restricted Electives (18 hrs)

Applications of Writing and Rhetoric (9 hrs)
- Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters. Students should work with a departmental academic advisor to select courses that support the students’ intended career or path post-graduation.
- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
- ENC 3375 Rhetoric in Popular Culture 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4354 Writing with Communities and Nonprofits 3 hrs
**UCF Degree Programs**

**Professional and Digital Writing**

- ENC 3250  Professional Writing  
- ENC 3351  Writing for Publication  
- ENC 3433  Multimedia Writing and Composition  
- ENC 3453  Writing About Health and Medicine  
- ENC 3454  Topics in Professional and Digital Writing  
- ENC 3455  Writing about Science and Technology  
- ENC 4212  Professional Editing  
- ENC 4416  Writing in Digital Environments  
- ENG 3833  Marketing Your Writing  
- LIN 3673  Rhetorical Grammar  

**Writing Practicum**  
3 hrs

- ENC 3473  Writing in Disciplinary Cultures  
- ENC 4275  Theory and Practice of Tutoring Writing  
- ENC 4944  Writing Internship  

**Advised Electives**  
6 hrs

- Choose from any DWR 3000 or 4000 level courses not otherwise used to satisfy major requirements, and/or choose from among any approved upper-level, writing-intensive courses in another department.

**Capstone Requirements**  
(3 hrs)

- ENC 4379  Writing and Rhetoric Capstone  
- ENC 4950  Writing ePortfolio  

**7. Foreign Language Requirements**

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language.

**8. Electives**

- Select primarily from upper-level courses after meeting with a departmental advisor. Courses may be outside of the department.

**9. Additional Requirements**

- None

**10. Required Minors**

- Students must complete a minor, certificate, or approved program of study (at least 18 hours minimum). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.

- Can be a UCF minor or an interdisciplinary set of courses tailored to the student's professional goals and approved by a program advisor.

- No more than 6 hours can overlap with courses used to satisfy the major.

**11. Departmental Exit Requirements**

- Students must complete an electronic writing portfolio (e-portfolio) that meets program requirements. This e-portfolio will be developed throughout the course of the students' work in the major. Students must also enroll in ENC 4950 (Writing ePortfolio) during their final semester; their e-portfolio will be approved in this course for program-level graduation requirements.

- Computer competency met by completion of major.

- Maintain and achieve a minimum GPA of 2.5 in all courses used towards the major.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.

- Fulfill University requirements for Honors in the Major.

**Successful completion and oral defense of Honors thesis.**

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Required Minors**

- Legal Studies

- Marketing

- Journalism Studies

- Magazine Journalism

- Mass Communication

- Public Administration

- Nonprofit Management/National Certification in Nonprofit Management

- Information Technology

- Entrepreneurship

- International and Global Studies

- English - Creative Writing

- English - Linguistics

- English - Literature

- English - Technical Communication

**Advising Notes**

- None

**Transfer Notes**

- Transfer courses in which students earned lower than a "C" (2.0) will not be accepted.

- Lower-level courses taken at community or state colleges do not substitute for upper-level courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

**Freshman Year - Fall**

- ENC 1101  Composition I  
- AMH 2020  U.S. History: 1877-Present  
- GEP 3 hrs  
- GEP 3 hrs  
- GEP 3 hrs

**Freshman Year - Spring**

- ENC 1102  Composition II  
- SPC 1608  Fundamentals of Oral Communication  
- GEP 3 hrs  
- GEP 3 hrs  
- GEP 3 hrs

**Sophomore Year - Fall**

- PHI 2010  Introduction to Philosophy  
- GEP 3 hrs  
- Foreign Language Course  
- Course in Minor/Certificate/Program of Study  
- ENC 3331  Rhetoric and Civic Engagement  

**Sophomore Year - Spring**

- Core Course  
- Foreign Language Course  
- Course in Minor/Certificate/Program of Study  
- Elective  
- ENC 3502  Researching Writing and Literacy  

**Contexts**

- ENC 4378  Writing in Global and Transnational Contexts  
- ENC 4523  Writing and Identity  

- 30 of the last 39 hours of course work must be completed in residency at UCF.
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| **Junior Year - Fall** | 15 hrs | Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Course in Minor/Certificate/Program of Study 3 hrs  
Course in Minor/Certificate/Program of Study 3 hrs  
Elective 3 hrs |
| **Junior Year - Spring** | 15 hrs | Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Course in Minor/Certificate/Program of Study 3 hrs  
ENG 3836 Professional Lives and Literacy Practices 3 hrs |
| **Senior Year - Fall** | 15 hrs | ENC 4944 Writing Internship 3 hrs  
Advised Elective 3 hrs  
Course in Minor/Certificate/Program of Study 3 hrs  
Elective 3 hrs  
Elective 3 hrs |
| **Senior Year - Spring** | 12 hrs | ENC 4379 Writing and Rhetoric Capstone 3 hrs  
ENC 4950 Writing ePortfolio 0 hrs  
Advised Elective 3 hrs  
Elective 3 hrs  
Elective 3 hrs |

### Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm)
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors

Accounting
Actuarial Science
Aerospace Studies
African Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art Education
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Biomedical Sciences
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Community Sport and Fitness
Computer Science
Crime, Law, and Deviance
Criminal Justice
Dance
Digital Humanities
Digital Media
Diplomacy
Diversity and Social Inequality
Early Childhood
    - Development and Education
Economics
Education
    - Emergency Management and Homeland Security
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Event Management
    - Exceptional Student Education
Film - Cinema Studies
Finance
Fitness Training
Florida Studies
French
Global Peace and Security Studies
Health Informatics
    and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Human Communication
Human Services
Humanities and Cultural Studies
Information Technology
Intelligence and National Security
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Materials Science and Engineering
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nanoscale Science and Technology
Nonprofit Management/National Certification in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Physics
Political Science
Political Science/Prelaw
Pre-Law in the Humanities
Professional Selling
Psychology
Public Administration
Real Estate
Religion and Cultural Studies
Russian Studies
Science Education
Secure Computing and Networks
Social Science Education
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Terrorism Studies
Theatre
Urban and Regional Planning
Women’s and Gender Studies
World Comparative Studies
World Languages Education - English for Speakers of Other Languages
World Languages Education - Languages Other Than English
Writing and Rhetoric

Certificates

Aging Studies Certificate
Anthropology of Global Health Certificate
Behavioral Forensics Certificate
Children’s Services Certificate
Civics Teaching Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Cyber Operations Certificate
Diplomacy Certificate
Engineering Leadership Certificate
Entrepreneurship Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Gender Studies Certificate
Health Communication Certificate
Human Biology Certificate
Intelligence and National Security Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Native American Studies Certificate
Nonprofit Management Certificate
Public and Professional Writing Certificate
Security Management Certificate
Service-Learning Certificate
Spanish for Health Professionals Certificate
Spanish for the Legal World Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
### Accounting - Minor

**College of Business Administration**  
**Kenneth G. Dixon School of Accounting,**  
**Business Administration II, Room: 101**  
Phone: 407-823-2184

Accounting Minor is only open to Finance Majors.

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
(9 hrs)

- ACG 2021 Principles of Financial Accounting 3 hrs  
- ACG 2071 Principles of Managerial Accounting 3 hrs  
- ACG 3131 Intermediate Financial Accounting I 3 hrs

**Restricted Electives**  
(12 hrs)

Select 4:

- At least three courses must have either an ACG or TAX prefix  
- ACG 3361 Cost Accounting I 3 hrs  
- ACG 3362 Intermediate Financial Accounting II 3 hrs  
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs  
- ACG 4401C Accounting Information Systems 3 hrs  
- ACG 4651 Auditing 3 hrs  
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs  
- FIN 3414 Intermediate Corporate Finance 3 hrs  
- FIN 4453 Financial Models 3 hrs

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 21

**Other Requirements**  
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalency requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

**Minor Admission Requirements**  
- Students need to complete the prerequisite courses.

**Minor Requirements**  
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

**Prerequisite Courses**  
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4164</td>
<td>Statistical Methods III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403</td>
<td>Business Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4183</td>
<td>Theory of Interest</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4184</td>
<td>Introduction to Derivative Markets</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4186</td>
<td>Theory of Derivative Pricing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4852</td>
<td>Applied Time Series</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- No additional courses are required.

**Foreign Language Requirements**  
- No Foreign Language is required.

**Total Semester Hours Required**  
- 21

**Other Requirements**  
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

### Aerospace Studies - Minor

**College of Engineering and Computer Science**  
**Air Force ROTC, Classroom Building 2, Room: 221**  
Colonel Heather McGee  
Phone: 407-823-1247

**Minor Admission Requirements**  
- None

**Minor Requirements**  
- None

**Prerequisite Courses**  
- None

**Required Courses**  
(16 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR 1101</td>
<td>The Air Force Today I</td>
<td>1 hr</td>
</tr>
<tr>
<td>AFR 1111</td>
<td>The Air Force Today II</td>
<td>1 hr</td>
</tr>
<tr>
<td>AFR 2130</td>
<td>The Development of Air Power I</td>
<td>1 hr</td>
</tr>
<tr>
<td>AFR 2131</td>
<td>The Development of Air Power II</td>
<td>1 hr</td>
</tr>
<tr>
<td>AFR 3220</td>
<td>Air Force Leadership and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFR 3230</td>
<td>Air Force Evaluation and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFR 4201</td>
<td>National Security Affairs and Prep for Active Duty I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFR 4210</td>
<td>National Security Affairs and Prep for Active Duty II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

This minor is designed to meet the validation by educational equivalency requirements for the Commission on Scientific Affairs, the American Institute of Aeronautics and Astronautics (AIAA), and the American Institute of Physics. The minor requires a minimum of 21 semester hours. Students must complete the 16 required courses before enrolling in any of the four aviation courses.
## Africana Studies - Minor

**College of Arts and Humanities**  
Program in Africana Studies, Colbourn Hall, Room: 110  
http://africana.cah.ucf.edu/  
Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3102</td>
<td>Introduction to Africana Studies: A Multidisciplinary Approach</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3006</td>
<td>The African Diaspora: Theories and Movements</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3850</td>
<td>Researching Africana Heritage and Life</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 4242</td>
<td>Contemporary Issues in Africana Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- Select two courses from one of the following areas of specialization.

#### General-Interdisciplinary

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3300</td>
<td>African American and Caribbean Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3244</td>
<td>Africana Social &amp; Cultural Movements or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### African Continental

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3000</td>
<td>African American and Caribbean Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3244</td>
<td>Africana Social &amp; Cultural Movements or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Caribbean/Central, South America

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFA 3371</td>
<td>Evolution of Hip Hop or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AFA 3955</td>
<td>Study Abroad in Eastern Caribbean or</td>
<td>6 hrs</td>
</tr>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

### Additional courses may be used only with the prior permission of the program Director.

---

## Aging Studies - Minor

**College of Health and Public Affairs**  
School of Social Work,  
Health and Public Affairs, Room: 204  
Email: socialwk@ucf.edu  
Dr. Denise Gammonley  
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions,
Minors

biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Minor Admission Requirements

■ None

Minor Requirements

■ A required internship, along with course options that include service-learning activities, complements the web-based courses.
■ Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

■ None

Required Courses (6 hrs)

GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
Select One:
HSA 4941 Internship 3 hrs
PSY 3951 Undergraduate Field Work 3 hrs
SYF 4941 Internship 3 hrs
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 9 hrs

1 For full-time social work majors. Cannot be used with SOW 4941.
2 For part-time social work majors. Cannot be used with SOW 4510.

Restricted Electives (12 hrs)

Students select FOUR additional courses from the following courses: A maximum of TWO courses must be taken in the College of Health and Public Affairs and at least TWO courses must be taken from other colleges.

College of Health and Public Affairs

HSA 4220 Long Term Patient Management 3 hrs
HSA 3222 Long Term Care and Administration 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
PLA 4530 Legal Issues of the Elderly 3 hrs
SOW 4645 Social Services for the Elderly 3 hrs
SOW 4650 Gerontologic Nursing 3 hrs
SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges

DEP 3464 Psychology of Aging 3 hrs
SYP 4730 Patterns of Aging in Society 3 hrs
1 GEY 5007 Women and Healthy Aging 3 hrs
SYF 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements

■ None

Total Semester Hours Required

■ 18

Other Requirements

■ A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the program.
■ No credit by exam (TSD, Military credit) may be used.
■ Independent Study credit may not be used toward the minor.

American Studies - Minor

College of Arts and Humanities

Dean’s Office - CAH, Room: 190
http://www.cah.ucf.edu/
Dr. Nancy Stanlick, Nancy.Stanlick@ucf.edu, 407-823-2161

Minor Admission Requirements

■ None

Minor Requirements

■ None

Prerequisite Courses

■ None

Required Courses (15 hrs)

Select 5 (one from each category)

Literature

AML 3031 American Literature I or 3 hrs
AML 3682 Ethnic Literature in America or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4300 Major American Authors or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature 3 hrs

Social Sciences and Social Issues

CCJ 3014 Crime in America or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4225 The Vietnam War or 3 hrs
POS 3173 Southern Politics or 3 hrs
POS 3234 Protest in American Politics or 3 hrs
POS 3413 The American Presidency or 3 hrs
POT 3204 American Political Thought or 3 hrs
PUP 3314 Minorities in American Politics or 3 hrs
SYD 3700 Race and Ethnicity or 3 hrs
SYF 3630 Popular Culture In Society 3 hrs

History

AMH 3402 History of the South to 1865 or 3 hrs
AMH 3403 History of the South Since 1865 or 3 hrs
AMH 3441 History of the Frontier: Eastern America or 3 hrs
AMH 3442 History of the Frontier: Western America or 3 hrs
AMH 3541 U. S. Military History To 1900 or 3 hrs
AMH 3561 Women in American History I or 3 hrs
AMH 3562 Women in American History II or 3 hrs
AMH 3571 Black American History I or 3 hrs
AMH 3572 Black American History II or 3 hrs
AMH 4110 Colonial America, 1607-1763 or 3 hrs
AMH 4130 The Age of the American Revolution, 1763-1789 3 hrs

Philosophy and Religion

ANT 3245 Native American Religions 3 hrs
PHI 3700 American Philosophy 3 hrs
PHI 3701 Native American Philosophy 3 hrs
PHP 3701 African-American Philosophy 3 hrs
REL 3123 Asian Religions in America 3 hrs
REL 3130 Religion in America 3 hrs

Art, Humanities, and Culture

AFR 3102 Introduction to Africana Studies: A Multidisciplinary Approach 3 hrs
AFR 3371 Evolution of Hip Hop 3 hrs
AMH 3580 North American Indians 3 hrs
AMH 3588 History of Latinos in the U.S. 3 hrs
AMH 3610 Sport in America to 1945 3 hrs
AMH 3611 Sport in America Since 1945 3 hrs
AMH 4311 American Culture I 3 hrs
AMH 4313 American Culture II 3 hrs
AMH 4644 Viewing American History in the Twentieth Century 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 4153 North American Archaeology 3 hrs
ARH 3610 American Art 3 hrs
ARH 3631 African-American Art 3 hrs
FIL 3831 Black Cinema 3 hrs
FIL 3871 The American Film Artist 3 hrs
HUM 4459 American Cultural Studies in Humanities 3 hrs
THE 3171 That’s Entertainment!: Theatre Experience in Theme Parks, Vegas, and Broadway 3 hrs

Restricted Electives (3 hrs)

■ 3 additional upper level hours. Select courses not already used from lists above or one of the following lower-division courses.

Select 1:

MUH 2017 Survey of Rock Music or 3 hrs
MUH 2019 American Popular Music, 1840s-present or 3 hrs
MUL 2016 Evolution of Jazz 3 hrs

Foreign Language Requirements

■ None
### Minors

#### Antropology - Minor

**College of Sciences**

**Department of Anthropology, Howard Phillips Hall, Room: 309**

**http://www.cos.ucf.edu/anthropology**

**Email: anthropology@ucf.edu**

Dr. Arlen Chase

Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

#### Minor Admission Requirements
- The minor is not open to Anthropology majors.
- **Minor Requirements**
  - Students must earn a grade of “C” (2.0) or better in all courses attempted.
  - At least 15 credit hours must be earned in upper level courses used to satisfy the minor.

#### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2410</td>
<td>Cultural Anthropology: Global Perspectives, Local Contexts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select additional upper level (3000-5999) Anthropology courses:

- **A. Concentration in General Anthropology**
  - 15 hrs
  - Complete at least four of the following courses:
    - ANT 3106 Archaeology and Popular Culture or 3 hrs
    - ANT 4115C Archaeological Method and Theory or 3 hrs
    - ANT 3142 Old World Prehistory or 3 hrs
    - ANT 3145 Archaeology of Complex Societies or 3 hrs
    - ANT 3148 Life and Death in Ancient Egypt or 3 hrs
    - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or 3 hrs
    - ANT 3158 Florida Archaeology or 3 hrs
    - ANT 3160 Americas Before Columbus or 3 hrs
    - ANT 3161 Ancient Mexico: Aztec to Zapotec or 3 hrs
    - ANT 3163 Mesoamerican Archaeology or 3 hrs
    - ANT 3164 Ancient Incas or 3 hrs
    - ANT 3165 Archaeology of South America or 3 hrs
    - ANT 3168 Maya Archaeology or 3 hrs
    - ANT 3173 Archaeology of Sex or 3 hrs
    - ANT 3177 Archaeology of Caribbean Piracy or 3 hrs
    - ANT 4153 North American Archaeology or 3 hrs

- **B. Concentration in Archaeology**
  - 15 hrs
  - Complete at least four of the following courses:
    - ANT 4180C Seminar in Laboratory Analysis or 3 hrs
    - ANT 4183 Archaeological Sciences or 3 hrs
    - ANT 4184 Mortuary Archaeology or 3 hrs
    - ANT 4824 Advanced Archaeological Fieldwork or 9 hrs
    - ANG 5166 Problems in Maya Studies or 3 hrs
    - ANG 5167 Maya Hieroglyphs or 3 hrs
    - ANG 5228 Maya Iconography or 3 hrs
    - ANG 5622 Maya Field Research or 3 hrs

1 or its graduate equivalent.

**C. Concentration in Physical Anthropology**

- 15 hrs
  - Select from the following courses:
    - ANT 3146 Life and Death in Ancient Egypt or 3 hrs
    - ANT 3541 Biobehavioral Anthropology or 3 hrs
    - ANT 3850C Primateology or 3 hrs
    - ANT 4183 Archaeological Sciences or 3 hrs
    - ANT 4184 Mortuary Archaeology or 3 hrs
    - ANT 4462 Medical Anthropology or 3 hrs
    - 1 ANT 4467 Nutritional Anthropology or 3 hrs
    - ANT 4516 Human Biological Diversity or 3 hrs
    - ANT 4521 Forensic Anthropology or 3 hrs
    - ANG 5452C Human Osteology or 4 hrs
    - ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth or 3 hrs
    - ANT 4586C Human Origins or 3 hrs

1 or its graduate equivalent.

**D. Concentration in Cultural Anthropology**

- 15 hrs
  - Select from the following courses:
    - ANT 3152 Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest or 3 hrs
    - ANT 3164 Ancient Incas or 3 hrs
    - ANT 3212 Peoples of the World or 3 hrs
    - ANT 3241 Magic, Ritual, and Belief or 3 hrs
    - ANT 3245 Native American Religions or 3 hrs
    - ANT 3262 Rural Society or 3 hrs
    - ANT 3273 Law and Culture or 3 hrs
    - ANT 3302 Sex, Gender and Culture or 3 hrs
    - ANT 3311 Indians of the Southeastern United States or 3 hrs
    - ANT 3312 Ethnology of North American Indians or 3 hrs
    - ANT 3313 Indians of North America High Plains or 3 hrs
    - ANT 3398 Black/Seminole Relations or 3 hrs
    - 1 ANT 4332 People and Cultures of Latin America or 3 hrs
    - 1 ANT 4303 Anthropology of Tourism or 3 hrs
    - ANT 3701 Engagement & Social Change: Public Anthropology or 3 hrs
    - 1 ANT 4702 Culture, Inequality and Global Development or 3 hrs
    - ANT 4802 Ethnographic Field Methods or 3 hrs
    - 1 ANT 3610 Language and Culture or 3 hrs
    - 1 ANT 4340 Caribbean Cultures or 3 hrs
    - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or 3 hrs
    - ANT 4034 History of Anthropological Thought or 3 hrs
    - ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
    - ANT 4352 African Societies and Cultures or 3 hrs
    - ANT 4408 Culture, Disease, and Healing or 3 hrs
    - ANG 5167 Maya Hieroglyphs or 3 hrs
    - ANG 5228 Maya Iconography or 3 hrs
    - ANG 5622 Language, Culture and Pedagogy or 3 hrs

1 or its graduate equivalent.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18
## Anthropology in Multicultural Studies - Minor

**College of Sciences**

**Department of Anthropology,**

Howard Phillips Hall, Room: 309

[http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)

**Email:** anthropology@ucf.edu

Dr. Arlen Chase

Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

### Minor Admission Requirements
- None

### Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ANT 2000  General Anthropology or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 2410  Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Restricted Electives (15 hrs)

- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3164  Ancient Incas 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3212  Peoples of the World 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3241  Magic, Ritual, and Belief 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3245  Native American Religions 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3302  Sex, Gender and Culture 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3312  Ethnology of North American Indians 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3319  Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3398  Black/Seminole Relations 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3541  Biobehavioral Anthropology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 3610  Language and Culture 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 3701  Engagement &amp; Social Change: Public Anthropology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 4266  Economic Anthropology: Production, Consumption, and Exchange 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4303  Anthropology of Tourism 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4332  People and Cultures of Latin America 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4340  Caribbean Cultures 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 4408  Culture, Disease, and Healing 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4467  Nutritional Anthropology 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 4516  Human Biological Diversity 3 hrs</td>
<td></td>
</tr>
<tr>
<td>1 ANT 4702  Culture, Inequality and Global Development 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SYD 3700  Race and Ethnicity 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

1 or its graduate equivalent, but not both.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

---

## Art - Studio - Minor

**College of Arts and Humanities**

**School of Visual Arts and Design,**

Visual Arts Building, Room: 117


**Email:** svadadvising@ucf.edu

Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu

Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Minor Admission Requirements
- None

### Minor Requirements
- None

### Prerequisite Courses
- None

#### Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050  History of Western Art I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ARH 2551  History of Western Art II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 2201C  Design Fundamentals-Two Dimensional 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 2203C  Design Fundamentals-Three Dimensional 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 2300C  Drawing Fundamentals I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 2301C  Drawing Fundamentals II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ART 3950  Portfolio Review 0 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Restricted Electives (6 hrs)

- Six semester hours of studio art in one area of specialization at the 3000-4000 level

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 24

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

### Art Education - Minor

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership**

[http://education.ucf.edu/](http://education.ucf.edu/)

Dr. Debra McGann, ED 122C, debra.mcgann@ucf.edu

This minor is not available to Art Education majors. This minor is well-suited for students enrolled in the School of Visual Arts and Design or Interdisciplinary Studies students with a concentration in Art. This minor is not available to students in pending status in a College of Education and Human Performance major.
Minors

Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes.
- Students must complete 18 SH of co-requisites and course prefixes could be ARE, ART, ARH, or GRA.
- At least 12 hours in the minor must be earned at UCF.
- Students must have a grade of "C-" (1.75) or better in all courses required for minor.

Prerequisite Courses

None

Required Courses

Credit Hour Requirement 18 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
ARE 4351 Teaching Art in the Elementary School 3 hrs
ARE 4352 Teaching Art in the Secondary School 3 hrs

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

None

Art History - Minor

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

Select 4: 12 hrs
ARH 2050 History of Western Art I or 3 hrs
ARH 2051 History of Western Art II or 3 hrs
ARH 4310 Italian Renaissance Art or 3 hrs
ARH 4430 19th Century Art or 3 hrs
ARH 4450 20th Century Art 3 hrs

Non-Western/Ancient Course Requirement 3 hrs
Select 1: 3 hrs
ARH 3670 20th Century Latin American Art or 3 hrs
ARH 4130 Greek Art and Architecture or 3 hrs
ARH 4150 Roman Art and Architecture or 3 hrs

Restricted Electives

(3 hrs)
Select 1: 3 hrs
ARH 4200 Medieval Art or 3 hrs
ARH 4350 Baroque Art or 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
ARH 4871 Women in Art 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Asian Studies - Minor

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://www.mll.cah.ucf.edu/
Dr. Humerto Lopez, hlopez@ucf.edu, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

(3 hrs)
HUM 3401 Asian Humanities

Restricted Electives

(15 hrs)
Select 1:
- ANT 3362 Peoples of Southeast Asia 3 hrs
- ARH 4540 Art of India 3 hrs
- ART 3824 Japanese Manga & Anime 3 hrs
- ASH 4304 Women in China 3 hrs
- ASH 4324 History & Culture of South Asia 3 hrs
- ASH 4383 Imperialism & Decolonization in South Asia 3 hrs
- ASH 4402 History of Chinese Civilization 3 hrs
- ASH 4404 Modern China 3 hrs
- ASH 4442 Modern Japan 3 hrs
- CPO 4514 Politics of East Asia 3 hrs
- CPO 4541 Chinese Politics 3 hrs
- CPO 4553 Politics of Japan 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4225 The Vietnam War 3 hrs
- REL 3340 Buddhism 3 hrs
- REL 3333 Hinduism 3 hrs
- REL 3123 Asian Religions in America 3 hrs
- LIT 3833 Modern Asian Literature 3 hrs
- LIT 3834 Chinese Poetry in Translation 3 hrs
- LIT 3835 Translated Modern Chinese Novels 3 hrs
Minors

Foreign Language Requirements
- One year or the equivalent proficiency examination (0 - 8 hrs) in Chinese or Japanese language. A maximum of 8 hours of language credits can be used to fulfill this requirement and towards the minor.

Total Semester Hours Required
- 18

Other Requirements
- Students must earn at least a "C" (2.0) in each course used to satisfy the minor.
- At least 12 hours must be earned in upper level credits.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.
- Requirement for the minor is 18-20 credits.

Astronomy - Minor

College of Sciences

Department of Physics, Physical Sciences, Room: 430

Email: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>AST 4152</td>
<td>Planetary Geophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AST 4700</td>
<td>Experimental Methods in Astronomy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor

College of Engineering and Computer Science

Engineering, Room: 107

http://www.cecs.ucf.edu/minors/bioengineering
Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a Bachelor of Science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a Bachelors of Science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact theCECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>General Physics Using Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>General Physics Using Calculus II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Restricted Electives
- 6 hrs

Engineering Track
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMA 5584</td>
<td>Biomaterials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BME 5267</td>
<td>Biofluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 5272</td>
<td>Biomedical Sensors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4111C</td>
<td>Biological Process Control</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EIN 5246C</td>
<td>Ergonomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAP 5512</td>
<td>Evolutionary Computation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 5418</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
Minors

Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (23 hrs)
BSC 2010C Biology I 4 hrs
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Select 1: 3 hrs
PCB 3233 Immunology or 3 hrs
PCB 4280 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 30

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades less than “C” (1.75) are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship or Independent Study credit cannot be used toward the minor.

Business - Minor
College of Business Administration
Office of Professional Development BA2, 101, 407-823-2184

Not available to Business majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (18 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3403 Business Finance 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None
Minors

### Chemistry - Minor

**College of Sciences**

**Department of Chemistry**, Physical Sciences, Room: 255

[http://www.cos.ucf.edu/chemistry](http://www.cos.ucf.edu/chemistry)

**Email**: chemstaff@ucf.edu

- **Dr. Pedro Patino**, pedro.patino@ucf.edu

- **Physical Sciences, Room: 255**

**Minor Admission Requirements**

- The minor is not open to Chemistry majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2040</td>
<td>Chemistry Fundamentals IA and IIA</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041</td>
<td>Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- At least one course must be selected from group I and the remaining from group I and/or II

#### Group I: Select at least one course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 3530C</td>
<td>Forensic Analysis of Controlled Substances</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 3215L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 5451C</td>
<td>Techniques in Polymer Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Group II:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>Environmental Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 3422</td>
<td>Applied Physical Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- **Total Semester Hours Required**: 18

- **Other Requirements**

  - A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
  - Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
  - Courses taken at Florida College System institutions do not substitute for upper division courses.
  - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
  - At least twelve hours used in the minor must be earned at UCF within the College of Business.
  - No credit by exam (TSD, Military credit) may be used.
  - Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

- **Foreign Language Requirements**

  - None

- **Total Semester Hours Required**: 18

### Coaching - Minor

**College of Education and Human Performance**

**Department of Educational and Human Sciences**, Education Building, Room: 209

**Email**: SESadvising@ucf.edu

- Dr. David Fukuda, David.Fukuda@ucf.edu
- **Phone**: 407-823-0623

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit [http://www.fldoe.org/edcert/](http://www.fldoe.org/edcert/). This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

**Minor Admission Requirements**

- Have a minimum 2.5 overall GPA
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

**Minor Requirements**

- None

#### Prerequisite Courses

- **None**

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I (or equivalent)</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ATR 4132</td>
<td>Human Injuries: Mechanisms &amp; Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3765</td>
<td>Coaching Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4763</td>
<td>Coaching Methods And Principles</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZQG 3736C</td>
<td>Exercise Physiology Anatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEO 3624</td>
<td>Coaching Basketball or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3644</td>
<td>Coaching Football or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PEO 3514C</td>
<td>Coaching Soccer</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- **None**

- **Foreign Language Requirements**

  - None

- **Total Semester Hours Required**: 28
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive sciences, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to complete satisfactorily all prerequisite courses prior to registering for each course. Students must check the most current catalog before registering, and abide by the prerequisites in effect at that time.

Required Courses (12 hrs)
- Foundation Courses
- Select from at least 4 subject areas.

Neuroscience
- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neropsychology or 4 hrs
- ZOO 3744 Neurobiology 3 hrs

Philosophy
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 4935 Topics in Philosophy of Mind or 3 hrs
- PHP 4782 Phenomenology 3 hrs

Psychology
- EXP 3204 Perception or 4 hrs
- EXP 3604 Cognitive Psychology or 4 hrs
- EXP 4507 Advanced Human Memory and Cognition 3 hrs

Computer Science and Information Technology
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs

Language and Linguistics 3 hrs
- ANT 3610 Language and Culture or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 3716 Language Development or 3 hrs
- PHI 4221 Philosophy of Language or 3 hrs
- EXP 3640 Psychology of Language 3 hrs

Restricted Electives (6 hrs)
- Select two additional courses from either the above Foundation Courses or from the following list.

Select 2: 6 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550C Primateology or 3 hrs
- ANT 3610 Language and Culture or 3 hrs
- ANT 4586C Human Origins or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- CAP 5015 Multimedia Compression on the Internet or 3 hrs
- CAP 5415 Computer Vision or 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
- EXP 3204 Perception or 4 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2108 Critical Thinking or 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
- PHI 4500 Metaphysics or 3 hrs
- PSY 4025 The Psychology of Art or 3 hrs
- PSY 3213C Research Methods in Psychology 5 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- 15 hours must be taken at the upper division.
- No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor. This minor is not available to CSD Majors or those seeking a Language Development and Disorders Certificate.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- 1 LIN 3713 Language Science 3 hrs

1 This is the prerequisite for LIN 3716 and LIN 3716L
Minors

Required Courses (24 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3471</td>
<td>Communication Disorders in Literature and Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112</td>
<td>Basic Phonetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 3112L</td>
<td>Basic Phonetics Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>1 LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>SPA 3101</td>
<td>Physiological Bases of Speech and Hearing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4032</td>
<td>Audiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4476</td>
<td>Speech Disorders Across the Lifespan</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 LIN 3713 is a prerequisite.

Restricted Electives

| None |

Foreign Language Requirements

| None |

Total Semester Hours Required

| 24   |

Other Requirements

- A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 19 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Community Arts - PAVE - Minor

College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-823-2676

Minor Admission Requirements

| None |

Minor Requirements

Partner in Art in Visual Education (PAVE)

- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses

| None |

Required Courses

| None |

Restricted Electives

| None |

Foreign Language Requirements

| None |

Total Semester Hours Required

| 18   |

Other Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Community Sport and Fitness - Minor

College of Education and Human Performance
Department of Educational and Human Sciences
Education Complex, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0623

The Community Sport and Fitness minor is available at the South Lake Campus. It is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. This minor is available for students in the 2016 catalog year and beyond.

Admission Requirements

- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements

- No grades below “C” (2.0) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses

| None |

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 3820</td>
<td>Teaching Sports Skills I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LEI 4266</td>
<td>Outdoor and Leisure Activities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3130</td>
<td>Aquatic Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3504</td>
<td>Fiscal and Facilities: Issues in Sport and Exercise Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3204</td>
<td>Sports and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives

| None |

Foreign Language Requirements

| None |

Total Semester Hours Required

| 18   |

Other Requirements

- No credit by exam (TSD or Military credit) may be used.
- Internship or Independent Study credit cannot be used towards the minor.

Computer Science - Minor

College of Engineering and Computer Science
Department of Computer Science, Harris Corp.
Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements

- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements

| None |

Prerequisite Courses

| None |

Required Courses (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223C</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
## Minors

### Crime, Law, and Deviance - Minor

**College of Sciences**  
**Department of Sociology,**  
**Howard Phillips Hall, Room: 403**  
[http://sociology.ucf.edu](http://sociology.ucf.edu)  
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

**Minor Admission Requirements**
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

**Minor Requirements**
- Students are expected to have a minimum GPA of 2.0 in the minor and earn a "C" or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned within Computer Science at UCF.

**Recommended Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 3520 Criminology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required: Complete one of the following:</th>
<th>(3 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td></td>
</tr>
<tr>
<td>SYG 2010 Social Problems</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from the following:</td>
<td></td>
</tr>
<tr>
<td>SYP 3510 Sociology of Deviant Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3511 Sociology of Murder</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3530 Juvenile Delinquency</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3540 Sociology of Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3562 Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514 Patterns of Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4521 Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536 Gangs and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

### Criminal Justice - Minor

**College of Health and Public Affairs**  
**Department of Criminal Justice,**  
**Health and Public Affairs I, Room: 311**  
**Email: cjadvise@ucf.edu**  
Cory Watkins, 407-823-2603

**Minor Admission Requirements**
- None

**Minor Requirements**
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted.

**Prerequisite Courses**
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3014 Crime in America</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(12 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 2:</td>
<td></td>
</tr>
<tr>
<td>CJC 3010 Corrections and Penology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014 Police and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Six semester hours of Criminal Justice courses (selected with aid of an advisor)</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

### Dance - Minor

**College of Arts and Humanities**  
**Department of Theatre,**  
**Performing Arts Center, Room: T210A**  

Dr. Judi Siegfried, dance@ucf.edu, 407-823-2862

**Minor Admission Requirements**
- A successful audition - contact department for audition dates.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(11 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAN 3134 Dance History I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 3612 Dance Improvisation/Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2100C Modern Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684 Dance Performance</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 2201C Ballet I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

1 Can substitute DAA 2201C or DAA 3208C with consent of program coordinator
# Minors

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(7 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DAA 2570C Jazz Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2571C Jazz Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2520C Tap Dance I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2521C Tap Dance II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3524C Tap Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2201C Ballet II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3208C Ballet III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2383C World Dance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3645 Choreography Practicum</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3684 Dance Performance</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2290L Theatre Participation-Production I</td>
<td>1 hr</td>
</tr>
<tr>
<td>TPR 2190L Theatre Participation-Performance I</td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2090L Theatre Participation</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3004L Dance Studio</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 3508C Jazz Dance III</td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 3905 Directed Study</td>
<td>1 hr</td>
</tr>
<tr>
<td>DAA 4912 Directed Independent Research</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
</tr>
</tbody>
</table>

**Other Requirements**
- Earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- Student must consult dance advisor every semester. Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A minimum of 3 different dance styles must be completed in the minor.

---

# Digital Humanities - Minor

## College of Arts and Humanities

**Department of English, Colbourn Hall, Room: 405**

[http://english.ucf.edu](http://english.ucf.edu)

**Email:** english@ucf.edu

Dr. Mark Kamrath
Phone: 407-823-5596

**Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- None

**Restricted Electives**
- Select two from the following: CRW 3713 Writing for Video Games or DIG 4704 Interactive Entertainment or DIG 4855 Converging Media Capstone or ENC 4416 Writing in Digital Environments or ENC 3917 Digital Archives or ENC 4414 Writing and Hypertext or ENC 4290 Usability Testing for Technical Communication

**Restrictive Electives**
- Internet and Technology or DIG 3024 Digital Cultures & Narrative or ENC 3417 Literacy and Technology or AMH 4644 Viewing American History in the Twentieth Century or CRW 3713 Writing for Video Games or DIG 4704 Interactive Entertainment or DIG 4855 Converging Media Capstone or ENC 4416 Writing in Digital Environments or ENC 3917 Digital Archives or ENC 4414 Writing and Hypertext or ENC 4290 Usability Testing for Technical Communication

**Technology and Applied Skills**
- Select two from the following: CRW 3713 Writing for Video Games or DIG 4704 Interactive Entertainment or DIG 4855 Converging Media Capstone or ENC 4416 Writing in Digital Environments or ENC 3917 Digital Archives or ENC 4414 Writing and Hypertext or ENC 4290 Usability Testing for Technical Communication

**Theory and Critique**
- Select two from the following: AMH 4644 Viewing American History in the Twentieth Century or DIG 3024 Digital Cultures & Narrative or ENC 3417 Literacy and Technology or AMH 4644 Viewing American History in the Twentieth Century or CRW 3713 Writing for Video Games or DIG 4704 Interactive Entertainment or DIG 4855 Converging Media Capstone or ENC 4416 Writing in Digital Environments or ENC 3917 Digital Archives or ENC 4414 Writing and Hypertext or ENC 4290 Usability Testing for Technical Communication

---

# Digital Media - Minor

## School of Visual Arts and Design

[http://svad.cah.ucf.edu](http://svad.cah.ucf.edu)

**Email:** svadadvising@ucf.edu

Phone: 407-823-2676

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- DIG 2000 Introduction to Digital Media
- DIG 2030 Digital Video Fundamentals
- DIG 2109 Digital Imaging Fundamentals
- DIG 2500 Fundamentals of Interactive Design
- DIG 3000 Adventures in Emerging Media
- DIG 3024 Digital Cultures & Narrative
- DIG 3043 Evolution of Video Games
- DIG 3134 Media Software Design
- DIG 3480 Computer as a Medium
- DIG 3525 Digital Media Production I
- DIG 3563 Information Management and Entrepreneurship
- DIG 3716C Internet Interaction
- DIG 3811 User-Centered Design
- DIG 4630C Media Business Practices
- DIG 4713 Game Design
- DIG 4780C Modeling for Realtime Systems
- FIL 4040 Animation Film History for Non Film Majors

**Restricted Electives**
- Select two courses:
- Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.

**Foreign Language Requirements**
- None

<table>
<thead>
<tr>
<th>Total Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
</tr>
</tbody>
</table>

**Other Requirements**
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a "B" (3.0) or better is required.
- At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the participating departments.

Prerequisite Courses
- Most courses for this minor will have prerequisites. Students must satisfy each course’s prerequisites before enrolling in the class.
- Prerequisite Courses

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (9 hrs)
- Select from the following:
  - AMH 4512 US Diplomatic History: 1914-1945 3 hrs
  - ASH 4404 Modern China 3 hrs
  - EUH 3242 Modern Europe and the First World War 3 hrs
  - EUH 3281 Second World War and Rebirth of Europe 3 hrs
  - EUH 4574 History of Russia: 1901-1917 3 hrs
  - EUH 4576 History of Russia in the 20th Century 3 hrs
  - EUH 4620 European Great Powers: 1815-1914 3 hrs
  - EUH 4663 History of Communism in Europe 3 hrs
  - INR 4034 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4401 International Law 3 hrs
  - INR 4502 International Organizations 3 hrs
  - INR 4603 International Relations Theory 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - POT 4314 Contemporary Democratic Theory 3 hrs
  - POT 4632 Religion and Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Minors

Early Childhood Development and Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
Email: ece@ucf.edu
Dr. Judy Levin, ED 122L, Judith.levin@ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Minor Requirements
- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.

NOTE: Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

Prerequisite Courses
- None

Required Courses (15 hrs)
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs

Restricted Electives (6 hrs)
Choose two:
- EEC 4303 Planning Creative Activities in Early Childhood 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4744 Child Life: Psychosocial Care of Children in Health Settings 3 hrs

Total Semester Hours Required
- 21

Other Requirements
- None

Economics - Minor
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Dr. David Scroggin, BA2 302U, David.Scroggin@ucf.edu,
407-823-4129
Dr. Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

(For both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3101 Intermediate Microeconomics or 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Select 1:
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
Upper Division Restricted Electives 9 hrs
- Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
- Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
  - ECO 3101 Intermediate Microeconomics 3 hrs
  - ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 206F
http://education.ucf.edu/edminor
Lindsay Archambault, lindsay.archambault@ucf.edu, 407-823-2881

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is not available to students in pending status in a College of Education and Human Performance major. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- None
- Prerequisite Courses
- None

Required Courses (15 hrs)
- EDF 403 - Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 447 - Learning Theory and Assessment 3 hrs
- EDF 4410 - Teaching Strategies and Classroom Management 3 hrs
- RED 4043 - Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 - Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives (3 hrs)
- Select one:
  - MAE 4634 - Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 - Programs in Teaching Social Science 3 hrs
  - LAE 4342 - Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 - Survey of Adolescent Literature 3 hrs
  - SCE 4361 - Programs in Teaching Science 3 hrs
  - PET 4710 - Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

NOTE:
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

Emergency Management and Homeland Security - Minor
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None
- Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4822 - Intergovernmental Administration 3 hrs
- PAD 4392 - Emergency Management and Homeland Security 3 hrs
- PAD 4712 - Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 - Disaster Response and Recovery 3 hrs
- PAD 4390 - Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select one:
  - DSC 4012 - Terrorism or Homeland Security and Criminal Justice 3 hrs
  - DSC 4013 - Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Engineering Leadership - Minor
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

_MINORS:_

UNIVERSITY OF CENTRAL FLORIDA
### Minors

**Minor Admission Requirements**
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

**Minor Requirements**
- None

**Required Courses**
- (19 hrs)
  - Discipline specific design course in engineering or Computer Science: 3 hrs
  - LDR 2001: Foundations of Leadership: 2 hrs
  - MAN 3025: Management of Organizations: 3 hrs
  - PHI 3638: Ethical Issues in the 21st Century: 3 hrs
  - EGS 3030: Leadership in Engineering I: 0 hrs
  - EGS 3031: Leadership in Engineering II: 0 hrs
  - EGS 4950: Engineering Leadership Capstone: 3 hrs

**Pick one of the following**
- MAR 3391: Professional Selling or ENT 4183: Technological Entrepreneurship: 3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19

**Other Requirements**
- Students must have a minimum grade of “C” (2.0) or Satisfactory (in eligible courses) in all courses in the minor.
- Not open to students seeking the Engineering Leadership Certificate.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.

### English - Creative Writing - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

**http://english.ucf.edu/**

**Email:** english@ucf.edu

Dr. Trey Philpotts, 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (6 hrs)
  - CRW 3013: Creative Writing for English Majors: 3 hrs
  - CRW 3053: Theory & Practice of Creative Writing: 3 hrs

**Restricted Electives**
- (6 hrs)
  - Select one course after completing CRW 3013
    - CRW 3211: Creative Nonfiction Writing: 3 hrs
    - CRW 3310: Poetry Writing Workshop: 3 hrs
    - CRW 3610: Writing Scripts: 3 hrs

**Select one course**
- CRW 4122: Advanced Fiction Writing Workshop: 3 hrs
- CRW 4224: Advanced Nonfiction Workshop: 3 hrs
- CRW 4320: Advanced Poetry Writing Workshop: 3 hrs
- CRW 4616: Advanced Scriptwriting Workshop: 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

**Restricted Upper Division Electives--select two courses**
- CRW 3311: Readings in Poetry for Creative Writing: 3 hrs
- CRW 3540: Literary Magazines: 3 hrs
- CRW 4114: History of Prose Style: 3 hrs
- CRW 4724: The Florida Review: 3 hrs
- CRW 4014: The Writing Life: 3 hrs
- ENC 3310: Magazine Writing I: 3 hrs
- CRW 4722: Editing for Creative Writers: 3 hrs
- CRW 6806C: Teaching Creative Writing: 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### English - Linguistics - Minor

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

**http://english.ucf.edu/**

**Email:** english@ucf.edu

Dr. Trey Philpotts
Phone: 407-823-5596

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (9 hrs)
  - LIN 3010: Principles of Linguistics: 3 hrs
  - LIN 4105: History of the English Language: 3 hrs
  - LIN 4680: Modern English Grammar: 3 hrs

**Restricted Electives**
- (9 hrs)
  - LIN 4643: Cross Cultural Communication: 3 hrs
  - LIN 4660: Linguistics and Literature: 3 hrs
  - LIN 4801: Language and Meaning: 3 hrs
  - LIN 5137: Linguistics: 3 hrs
  - ANT 3610: Language and Culture: 3 hrs
  - PHI 4400: Philosophy of Science: 3 hrs
  - PHI 4221: Philosophy of Language: 3 hrs
  - SPA 3112: Basic Phonetics: 3 hrs
  - Or any course approved by the Linguistics Committee: 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
English - Literature - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

http://english.ucf.edu/

Email: english@ucf.edu

Dr. Trey Philpotts, 407-823-5596

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

1 ENG 3014 Theories and Techniques of Literature 3 hrs

1 PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives

(15 hrs)

English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

A grade of “C” (2.0) or better is required in each course used to satisfy the minor.

At least 12 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

http://education.ucf.edu/englished/

Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu

Phone: 407-823-5179

The English Language Arts Education minor is intended for non-English Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements

Have a minimum 2.5 overall GPA

Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements

None

Prerequisite Courses

None

Required Courses

EDG 4410 Teaching Strategies and Classroom Management 3 hrs

EDF 4467 Learning Theory and Assessment 3 hrs

TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

LAE 4466 Canon, Young Adult Literature and the English Language Arts Curriculum 3 hrs

LAE 4360 English Instructional Analysis 3 hrs

Select 1: 3 hrs

LAE 4342 Programs in Teaching Language and Composition or 3 hrs

LAE 4464 Survey of Adolescent Literature or 3 hrs

LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

Students should see an advisor prior to registering for classes

Students must complete 18 hrs of courses in English as co-requisites

Obtain a minimum 2.5 GPA in courses required for minor

At least 12 hours in the minor must be earned at UCF
Minors

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309

Open to Business and Non-Business Students

http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, new corporate initiatives, and potent non-profit organizations. This minor is a great complement to students’ education because it adds broad entrepreneurial thinking skills to the deep discipline-based expertise provided by academic majors. Participants will learn how to recognize opportunities, formulate solutions, and deliver results to those in need. These skills are essential to starting new businesses, and are valued by small and large organizations seeking employees who can create and lead innovative new initiatives.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
ENT 3613 Creativity and Entrepreneurship 3 hrs
1 ENT 4013 New Venture Design 3 hrs
1 ENT 4014 New Venture Implementation 3 hrs

Select 1:
ENT 4183 Technological Entrepreneurship or 3 hrs
ENT 4503 Social Entrepreneurship or 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Restricted Electives (18 hrs)
Select 2:
EGN 4614C Engineering Entrepreneurship or 3 hrs
ENT 4183 Technological Entrepreneurship or 3 hrs
1 ENT 4412 Managing Small Business Finance or 3 hrs
ENT 4503 Social Entrepreneurship or 3 hrs
2 ENT 4948 Launching the Venture I or 3 hrs
2 ENT 4949 Launching the Venture II or 3 hrs
2 ENT 4906 Directed Independent Study or 1 hr
2 ENT 4942 Entrepreneurial Internship or 3 hrs
1 MAR 3407 Contemporary Selling or 3 hrs
MAR 3765 Entrepreneur Marketing or 3 hrs

1 Requires completion of the College of Business Common Program Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.
2 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at www.cel.ucf.edu
3 Independent study requires students to develop a portfolio of new venture deliverables that demonstrate specific entrepreneurship competencies. Competencies addressed, milestones completed, and deliverables required will be determined in consultation with supervising faculty. Details regarding independent study opportunities are available at www.cel.ucf.edu
4 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (BA1-309).

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at Florida College System institutions do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Environmental Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)
■ Take 9 hours from each section.

Science Electives 9 hrs
BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4303C Plant Kingdom 5 hrs
BOT 4713C Plant Taxonomy 5 hrs
BSC 4312C Advanced Marine Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
1 GIS 3043C GIS for Environmental Studies 3 hrs
1 GIS 4301C Advanced GIS Applications in 4 hrs
Environmental Studies
OCE 3008 Oceanography 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
PCB 4723 Animal Physiology 4 hrs
PCB 5045 Conservation Biology 4 hrs
PCB 5326C Ecosystems of Florida 5 hrs
1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Values, Planning, and Policy Electives 9 hrs
ANT 3541 Biobehavioral Anthropology 3 hrs
BOT 3802 Ethnobotany 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

372 Undergraduate Catalog 2016-2017
Minors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4301C</td>
<td>Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3330</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>Ethics and Biological Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 4031</td>
<td>Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4554</td>
<td>Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3203</td>
<td>Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3204</td>
<td>Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4209</td>
<td>Urban Environmental Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- At least 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

European Studies - Minor

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu

Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements

- None

Minor Requirements

- A grade of "C" (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)

- CPO 4101 Politics of the European Union  3 hrs
- LIT 3082 Continental European Fiction Since 1900  3 hrs

Restricted Electives (15 hrs)

- Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:

Select from the following courses: 3 hrs

- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.
- ENL 2022 English Literature II or  3 hrs
- ENL 4101 English Novel or  3 hrs
- ENL 4240 English Romantic Writers or  3 hrs
- ENL 4262 Nineteenth Century British Prose or  3 hrs
- ENL 4273 Modern British Literature or  3 hrs
- FIL 3820 Italian Film or  3 hrs
- FIL 3822 French Film or  3 hrs
- FIL 3823 German Film or  3 hrs
- FIL 3824 Italian Neo-Realist Cinema or  3 hrs
- FRE 4500 French Civilization and Culture or  3 hrs
- FRT 3862 French Contemporary Pop Culture or  3 hrs
- FRW 3370 Short Stories of 18th, 19th and 20th Centuries or  3 hrs
- FRW 4281 20th Century French Novels or  3 hrs
- FRW 4524 20th Century French Drama or  3 hrs
- FRW 4532 French Romanticism or  3 hrs
- FRW 4552 Nineteenth Century French Literature or  3 hrs
- GER 3102 Germany - Past to Present or  3 hrs
- GER 4520 Modern Germany or  3 hrs
- GEW 3101 Survey of German Literature II or  3 hrs
- GEW 3370 Short Story or  3 hrs
- GEW 3480 German Post-War Literature or  3 hrs
- GEW 4482 German Children’s Literature or  3 hrs
- GEW 4531 The Age of Goethe and Schiller or  3 hrs
- ITT 4906 Study Abroad: Modern and Contemporary Italian Culture or  3 hrs
- ITW 3101 Survey of Italian Literature II or  3 hrs
- JST 3751 Literature of the Holocaust or  3 hrs
- LIT 4194 Irish Literature or  3 hrs
- SPW 3101 Survey of Spanish Literature II or  3 hrs
- SPW 3370 Spanish Short Story or  3 hrs
- SPW 4272 20th Century Spanish Novel or  3 hrs
- SPW 4322 Contemporary Iberian Theatre or  3 hrs
- SPW 4450 Spanish Literary Theory or  3 hrs
- SPW 4460 Nineteenth Century Spanish Literature or  3 hrs
- SPW 4720 The Generation of 1898 or  3 hrs

History:

Select from the following courses: 6 hrs

- EUH 3235 Romanticism and Realism or  3 hrs
- EUH 3242 Modern Europe and the First World War or  3 hrs
- EUH 3281 Second World War and Rebirth of Europe or  3 hrs
- EUH 3411 Ancient Rome or  3 hrs
- EUH 3431 History of Modern Italy or  3 hrs
- EUH 4351 History of Modern France or  3 hrs
- EUH 4284 Fascism and Nazism in the Interwar Europe or  3 hrs
- EUH 4400 The History of Ancient Greece or  3 hrs
- EUH 4465 Hitler’s Third Reich or  3 hrs
- EUH 4501 English History: 1485-1815 or  3 hrs
- EUH 4502 British History: 1815-Present or  3 hrs
- EUH 4574 History of Russia: 1801-1917 or  3 hrs
- EUH 4576 History of Russia in the 20th Century or  3 hrs
- EUH 4582 20th Century Russian Diplomatic History or  3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or  3 hrs
- EUH 4620 European Great Powers: 1815-1914 or  3 hrs
- EUH 4663 History of Communism in Europe or  3 hrs
- GER 4510 Life and Culture in Nazi Germany or  3 hrs
- JST 3701 History of the Holocaust or  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Minors

Political Science or Economics:
Select from the following courses: 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
ECO 3703 International Microeconomics or 3 hrs
ECO 4303 History of Economic Thought or 3 hrs
INR 4035 International Political Economy 3 hrs

Other areas:
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select from the following courses: 3 hrs
ARH 4430 19th Century Art or 3 hrs
ARH 4550 20th Century Art or 3 hrs
PHH 3041 Russian Philosophy or 3 hrs
PHH 3510 Marx and Nietzsche or 3 hrs
PHH 3783 Modernity as a Philosophical Problem or 3 hrs
PHH 3986 Existentialism or 3 hrs
PHP 4782 Phenomenology 3 hrs

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Blvd. Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: Hospitality@ucf.edu
Phone: (407) 903-8000

This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students' knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements
- Not open to majors of the Rosen College of Hospitality Management.

Minor Requirements
- None

Prerequisite Courses
- Students who have not completed the prerequisites should contact the Instructor for consent to enroll.

Required Courses: (12 hrs)
1 HFT 2750 The Event Industry 3 hrs
HFT 3443 Event Technology 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs

Restricted Electives: (6 hrs)
Select 2:
HFT 3519 Event Services or 3 hrs
HFT 3523 Event Sales or 3 hrs
HFT 3741 Meeting Management or 3 hrs
HFT 3798 Fairs and Festivals or 3 hrs
HFT 4795 Entertainment Arts and Events or 3 hrs
HFT 4796 International Events 3 hrs

1 Prerequisite is HFT 3519.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 315P
http://education.ucf.edu/academics_minors.cfm
Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student's major program.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses: (12 hrs)
EEX 4601 Introduction to Behavior Management 3 hrs
EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
EEX 3221 Assessment of Exceptional Students 3 hrs
EEX 4666 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives: (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
EEX 3450 Young Children With Special Needs 3 hrs
EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
EEX 4070 Teaching Exceptional Students 3 hrs
EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

1 HFT 2750 is the prerequisite course for all upper level Event Management courses.
Secondary Restricted Electives
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.75 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- College of Business Students: Must meet Admission Standards for the Finance Major
- Non-Business Students: Meet Prerequisites Below

Minor Requirements
- None

Prerequisite Courses (14 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- FIN 3403 Business Finance 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4504 Equity and Capital Markets 3 hrs
- FIN 4453 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Required Courses (12 hrs)
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 2:
- FIN 4604 International Financial Management or 3 hrs
- FIN 4424 Advanced Topics in Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.75 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Fitness Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209

Email: SESadvising@ucf.edu
Dr. David Fukuda, David.Fukuda@ucf.edu
Phone: 407-823-0623

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System Institution

Minor Requirements
- No grades below "C" (2.0) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses (12 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- APK 4110C Exercise Physiology 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

Restricted Electives (6 hrs)
- Select 2:
  - PET 3771 Strength and Conditioning Concepts or Performance or Populations 3 hrs
  - PET 3768 Group Exercise Instruction or Motivational Aspects of Athletic Performance or Populations 3 hrs
  - PET 4215 Motivational Aspects of Athletic Performance or Populations 3 hrs
  - PET 3125 Fitness and Weight Management or Populations 3 hrs
  - PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Florida Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu

Email: english@ucf.edu
407-823-5596
Daniel Murphree, Daniel.Murphree@ucf.edu

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

Required Courses
- None

Restricted Electives (18 hrs)
- Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 U.S. Space History 3 hrs
  - AML 4261 Literature of the South 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3393 American Indian Literature and Culture in Florida 3 hrs
  - ANT 3398 Black/Seminole Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 3 credit hours may overlap with any other major or minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
1. FRE 3760 Advanced French Oral Communication 3 hrs
2. FRE 3420 French Composition 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
### Global Peace and Security Studies - Minor

**College of Sciences**

**Department of Political Science,**

Howard Phillips Hall, Room: 302

[http://politics.coe.ucf.edu](http://politics.coe.ucf.edu)

**Department of History,** Colbourn Hall, Room: 551

[http://history.cah.ucf.edu](http://history.cah.ucf.edu)

Dr. P. Vasquez, 407-823-2608

Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

**Admission Requirements**

- None

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students majoring in history or political science can take no more than 3 hours of electives in their major department.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisite before enrolling in the class.

**Required Courses (6 hrs)**

- EHU 3651 War and Society 3 hrs
- INR 4060 Causes of War 3 hrs

**Restricted Electives (12 hrs)**

- AMH 3547 U.S. Military History Since 1900 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- ASH 4243 History of Iraq 3 hrs
- ASH 4404 Modern China 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective 3 hrs
- DSC 4012 Terrorism 3 hrs
- EHU 3242 Modern Europe and the First World War 3 hrs
- EHU 3281 Second World War and Rebirth of Europe 3 hrs
- EHU 4284 Fascism and Nazism in the Interwar Europe 3 hrs
- EHU 4663 History of Communism in Europe 3 hrs
- INR 3253 International Politics of Africa 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 4011 Politics of Globalization 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4063 The Cold War 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4102 American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4115 Strategic Weapons and Arms Control 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4304 Issues in International Public Policy 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4364 The Intelligence Community 3 hrs
- INR 4744 Militaries in World Politics 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
- INR 4774 Military Space Policy 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- PLA 4583 Cyber Law I 3 hrs
- POT 4632 Religion and Politics 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, and substitute courses/new courses are allowed at the director’s discretion limited to a maximum of 3 credit hours.

---

### Health Informatics and Information Management - Minor

**College of Health and Public Affairs**

**Department of Health Management and Informatics,**

Health and Public Affairs II, Room: 210

Dr. Alice Noblin, alice.noblin@ucf.edu, 407-823-2353

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (20 hrs)**

- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 20

**Other Requirements**

- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs I, Room: 267
L. Timothy Worrell, 407-823-5236

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3110 Medical Self Assessment 3 hrs
- HSC 3211 Preventive Health Care 3 hrs

Restricted Electives (9 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4556 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- HSC 3432 Occupational Safety for the Health Care Professional 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4559 Disabilities in American Society 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- ATR 3203C Upper Extremity Function and Measurement 3 hrs
- ATR 3204C Lower Extremity Function and Measurement 3 hrs
- PET 4606 Applied Fitness in Sport 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Philip Wessel, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required
- Select 1: 3 hrs
  - HSC 4652 Health Law and Ethics or HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or
  - HIM 4508C Quality Management or
  - HSC 4702 Health Sciences Research Methods

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Phone: 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (15 hrs)
- 18 hours of AFH, AMH, ASH, EUH, HIS, LAH and/or WOH courses offered by the History department. A minimum of 12 hours must be taken at the upper level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C-” (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- Take all of the following: 6 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and Management
  - HFT 3540 Guest Services Management I

Select 4 Courses 12 hrs
- HFT 2401 Hospitality Industry Financial Accounting
- HFT 2500 Hospitality and Tourism Marketing
- HFT 2220 Hospitality Human Resources Management
- HFT 3444 Hospitality Information Systems
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry
- HFT 3224 Hospitality Management & Leadership Fundamentals
- HFT 3700 Tourism Management
- HFT 3263 Restaurant Management
- HFT 3273 Principles of Resort Timesharing
- HFT 4755 Theme Park and Attraction Management
- HFT 2750 The Event Industry
- HFT 2254 Lodging Operations
- HFT 4277 Club Management

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-923-2681

Minor Admission Requirements
- Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3022 Health Communication 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3332 Communication, Technology, and Change 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3445 Leadership Through Oral Communication 3 hrs
- SPC 3513C Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4428 Group Dynamics 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs
- Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit can be used toward this minor with prior approval.

Human Services - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 322
Website: http://education.ucf.edu/counselored/
Dr. J. Richelle Joe, jacqueline.joe@ucf.edu, 407-823-4752

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this minor.
Minors

Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of “C” or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

Prerequisite Courses
- None

Required Courses (15 hrs)
- MHS 2330 Career Planning 3 hrs
- MHS 2441 Couples, Families and Intimate Relationships 3 hrs
- MHS 3052 Helping Skills for Human Service Providers 3 hrs
- MHS 3426 Diversity Issues in Human Services 3 hrs

Restricted Electives (3 hrs)
- Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (CLEP, Military Credit) may be used.
- Transfer credits from other colleges/universities may be considered.

Humanities and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Phone: 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- HUM 2020 Encountering the Humanities 3 hrs

Humanities Foundations
- 6 hrs

Select 1:
- HUM 3411 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3252 Contemporary Humanities 3 hrs

Select 2:
- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3830 Introduction to Digital Humanities or 3 hrs
- HUM 3526 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs
- HUM 3800 Research Methods in Humanities 3 hrs

Cultural Traditions
- 3 hrs

Select 1:
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3423 African Humanities or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- HUM 4459 American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies
- 3 hrs

Select 1:
- HUM 4331 Key Figures in the Humanities & Cultural Studies or 3 hrs
- HUM 4334 Key Concepts in Humanities & Cultural Studies 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Information Technology - Minor
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, Markl@cs.ucf.edu
Phone: 407-823-2790

Minor Admission Requirements
- Not open to Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- Select one (1) of the following courses:
  - COP 2500C Concepts in Computer Science 4 hrs
  - COP 3223C Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)
- Select any five (5) courses required for the IT major and taught by CS/IT at UCF with the following prefixes: CAP, CGS, CIS, CNT, COT, or COP.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science or Information Technology program at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
- The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.
Intelligence and National Security - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu
Dr. Mark Schaefer, 407-823-3328

This minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

Admission Requirements
- None

Minor Requirements
- A grade of "C" (2.0) or better for all classes is required in courses counting toward the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 4384 The Intelligence Community 3 hrs

Prerequisite Courses (3 hrs)
- A high-level programming language class (like the following or its equivalent) is required for the minor.

Restricted Electives (12 hrs)
Select four courses from the following list:
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CCJ 4641 Organized Crime 3 hrs
- CCJ 4644 White Collar Crime 3 hrs
- CCJ 4651 Drugs and Crime 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 3821 Practical Security Applications 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 4514 Politics of East Asia 3 hrs
- CPO 4541 Chinese Politics 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- DSC 4012 Terrorism 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- INR 2053 International Politics of Africa 3 hrs
- INR 4060 Causes of War 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4083 War and Violent Politics 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy 3 hrs
- INR 4114 American Security Policy 3 hrs
- INR 4115 Strategic Weapons and Arms Control 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4333 International Security 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4744 Militarys in World Politics 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
- POS 4206 Political Psychology 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4550 Patterns of Drug Abuse in Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Paul Edlen, Paul.Edlen@ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Minor Requirements

Prerequisite Courses (3 hrs)
Select 1:
- A high-level programming language class (like the following or its equivalent) is required for the minor.

Required Courses (6 hrs)
- EML 3211 Engineering Analysis-Dynamics 3 hrs
- EML 4264 Vehicle Dynamics 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 4872 Engineering Applications of Intelligent or 3 hrs
- EML 4612C Introduction to Modern and Robust Control or 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
- EEL 4818H Honors Current Topics in Machine Learning or 3 hrs
- EEL 4872 Engineering Applications of Intelligent Systems or 3 hrs
- EML 5512 Evolutionary Computation or 3 hrs
- EML 5625 Applied Control Systems or 3 hrs
- EEE 5513 Digital Signal Processing Applications or 3 hrs
- EEL 5630 Digital Control Systems or 3 hrs
- EML 5610 Machine Learning or 3 hrs
- EEL 5625 Applied Control Systems or 3 hrs
- EML 5630 Digital Control Systems or 3 hrs
- EML 5820 Image Processing or 3 hrs
- EML 5825 Pattern Recognition or 3 hrs
- EML 3217 Engineering Mechanics - Dynamics or 3 hrs
- EML 3657 Linear Control Systems or 3 hrs
- EML 4612C Introduction to Modern and Robust Control or 4 hrs
- EEL 4660 Robotic Systems or 3 hrs

Restricted Electives (12 hrs)
Select 4:
- Note: Courses with equivalent content cannot both be counted toward the electives.

- EEL 5173 Linear Systems Theory or 3 hrs
- EEL 5669 Introduction to Robotics or 3 hrs
- EEL 4905 Pattern Recognition or 3 hrs
- EEE 5513 Digital Signal Processing Applications or 3 hrs
- EML 3262 Kinematics of Mechanisms or 3 hrs
- EML 4225 Introduction to Vibrations and Controls or 3 hrs
- EML 4312C Feedback Control or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4264 Vehicle Dynamics or 3 hrs
- EML 4804C Digital Control in Mechatronics or 3 hrs
- EML 4818H Honors Current Topics in Machine Learning or 3 hrs
- EML 5311 System Control or 3 hrs
- EML 5280 Introduction to MEMS and Micromaching or 3 hrs
Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state's internal characteristics impact that state's political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.
- All courses used to meet the requirement.

Prerequisite Courses

- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4008</td>
<td>Global Perspectives</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (15 hrs)

- Substitutions require prior approval by the program advisor.

A. Political Science:

Select courses from this grouping: (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4011</td>
<td>Politics of Globalization or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4084</td>
<td>Global Politics of Energy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4060</td>
<td>Causes of War or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4074</td>
<td>Immigration Policy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4075</td>
<td>Human Rights Policy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076</td>
<td>Global Drug Policy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4350</td>
<td>Global Environmental Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603</td>
<td>International Relations Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4714</td>
<td>Politics of International Trade Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B. Area Studies: (6 hrs)

- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies, Russian Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Other:

Select one course from this grouping: (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality in</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Comparative Perspective or</td>
<td></td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required (21 hrs)

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor

College of Business Administration

Office of Professional Development, Business Administration II, Room: 101

Minor for Business Majors

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 12 to 15 hours of Study Abroad (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3955</td>
<td>Study Abroad</td>
<td></td>
</tr>
<tr>
<td>GEB 4955</td>
<td>Study Abroad</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Select the course below only if less than 15 hours of Study Abroad completed.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4374</td>
<td>International Negotiations and Transactions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements

- None

Total Semester Hours Required (18 hrs)
Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Lower division courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses taken as part of a UCF College of Business exchange program will be reviewed for appropriateness by the College of Business Study Abroad Director. Additional information may be required by the Study Abroad Director to determine the appropriateness of the course taken.
- Courses transferred into the College of Business from a foreign institution, that are not part of a College of Business exchange program, must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be coursework registered through UCF College of Business Study Abroad.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
CECS Academic Affairs Office, 407-823-2455

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science, and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
- Admission by interview with the Program Coordinator
- A minimum UCF cumulative GPA of 2.75 is required to enter the minor.

Minor Requirements
- None

Prerequisite Courses
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses (18 hrs)
- The International minor in Engineering or Computer Science is composed of three parts:
  Language Skill Acquisition (6 hrs)
  It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries in where English is widely spoken.
  - For International Engineering Exchange Programs that include class instruction in a language other than English, students must show advanced proficiency in that language either through a sufficient score on the Foreign Language Proficiency Exam to demonstrate fluency in the language and/or through satisfying any language proficiency requirements specified by the host institution. If the student does not demonstrate advanced proficiency in the local language of instruction, he/she must spend at least one academic year abroad with the first semester or more devoted to language study and another semester to Engineering/Computer Science coursework.
  - If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):
    - ANT 3212 Peoples of the World 3 hrs
    - ANT 3541 Biobehavioral Anthropology 3 hrs
    - ANT 4332 People and Cultures of Latin America 3 hrs
    - ANT 3610 Language and Culture 3 hrs
    - ASH 4404 Modern China 3 hrs
    - ASH 4442 Modern Japan 3 hrs
    - COM 4461 Intercultural Communication 3 hrs
    - CPO 3034 Politics of Developing Areas 3 hrs
    - CPO 3103 Comparative Politics 3 hrs
    - CPO 3104 Politics of Western Europe 3 hrs
    - CPO 4101 Politics of the European Union 3 hrs
    - CPO 4303 Comparative Latin American Politics 3 hrs
    - CPO 4643 Government and Politics of Russia 3 hrs
    - GEO 3471 World Political Geography 3 hrs
    - REL 3333 Hinduism 3 hrs
    - REL 3363 Islam 3 hrs
    - IDS 3333 World Comparative Studies 3 hrs
    - INR 4035 International Political Economy 3 hrs
    - INR 4102 American Foreign Policy 3 hrs
    - INR 4224 Contemporary International Politics of Asia 3 hrs
    - INR 4243 International Politics of Latin America 3 hrs
    - INR 4401 International Law 3 hrs

- Cultural Coursework (3 hrs)
  - It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
    - Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
    - Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience (9 hrs)
- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad.
- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency.
Minors

Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
- None

Foreign Language Requirements
- See Language Skills Acquisition

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 522
http://mll.cah.ucf.edu/
Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- ITA 3420  Italian Composition  3 hrs
- ITA 3760  Advanced Italian Oral Communication  3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (12 hrs)
- Select four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ufc.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004  History of American Journalism  3 hrs

Restricted Electives (15 hrs)
- Select from the following:
  - JOU 3301  Journalism Readings  3 hrs
  - JOU 3015  Principles of Journalism  3 hrs
  - JOU 3510  Magazine Publishing  3 hrs
  - JOU 4700  Journalism Ethics  3 hrs
  - MMC 2004  Mass Media  3 hrs
  - MMC 3200  Mass Communication Law  3 hrs
  - MMC 4300  International Media  3 hrs
  - VIC 3001  Visual Communication  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
TBD, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Choose 6 Restricted Electives courses.

Jewish History
- JST 3401  Jewish People in Antiquity  3 hrs
- JST 3402  Wanderings: The Jewish People in Dispersion  3 hrs
- JST 3415  American Jewish History  3 hrs
- JST 3481  20th Century Jewish History and Thought  3 hrs

The University of Central Florida
Latin American Area Studies - Minor

College of Arts and Humanities

Latin American Studies, Colbourn Hall, Room: 122

http://las.cah.ucf.edu/

Director: Dr. Consuelo Stebbins, stebbins@ucf.edu
Advisor: Donna Mercado, Donna.Mercado@ucf.edu
Phone: 407-823-1173

The minor provides students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to education, government, journalism, foreign service, social and community service, international trade, and public relations.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

- LAS 3002 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs
- LAS 4023 African Caribbean Experience 3 hrs

Restricted Electives (9 hrs)

- Select a total of nine (9) hours. Additional courses not listed below may substitute with prior approval from the Program Director.
- Students may not use more than six (6) credit hours of course work within same department.
- No more than three (3) credit hours of overlap between the major program and LAS minor.

Anthropology

- ANT 3164 Ancient Incas 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
- ANT 3330 Anthropology of the Amazon 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 3177 Archaeology of Caribbean Piracy 3 hrs

Art

- ARH 4653 Meso American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3674 Latin American Popular Visual Culture 3 hrs

Modern Languages and Literature

- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- SPW 4382 Central American Literature 3 hrs
- SPN 4852 Bilinguismo 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs

History

- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- AMH 3586 History of Latinos in the U.S. 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4451 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs
- LAH 3200 Modern Latin America 3 hrs

Latin American Studies

- GEA 3455 Geography of Brazil 3 hrs
- GEA 4405 Geography of Latin America 3 hrs
- GEA 3403 Human Geography of Latin America 3 hrs
- GEA 3404 Migration Trends in Latin America 3 hrs
- LAS 3220 Brazilian Culture 3 hrs

Political Science

- CPO 3033 Comparative Latin American Politics 3 hrs
- CPO 4033 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
Leadership Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (19 hrs)

Social Relations and Culture
ANT 3541 Biobehavioral Anthropology or 3 hrs
CLP 3143 Abnormal Psychology or 3 hrs
COM 4461 Intercultural Communication or 3 hrs
EXP 3304 Motivation or 3 hrs
SOP 3004 Social Psychology or 3 hrs
SOP 3723 Cross Cultural Psychology or 3 hrs
SOP 3742 Psychology of Women or 3 hrs
SOP 3784 Psychology of Diversity or 3 hrs

Politics
PAD 3003 Public Administration in American Society or 3 hrs
PAD 4104 Administrative Theory or 3 hrs
PAD 4144 Nonprofit Organizations or 3 hrs
PAF 4754 Interdisciplinary Leadership in Public Affairs or
POS 3413 The American Presidency or 3 hrs
POS 4206 Political Psychology or 3 hrs
PUP 3325 Women and Political Behavior or 3 hrs
SYO 4300 Political Sociology or 3 hrs

Ethics
BUL 3130 Legal and Ethical Environment of Business or 3 hrs
EDF 3601 Professional Ethics in Education or 3 hrs
PAD 3040 Ethics and Values in Public Administration or
PHI 2108 Critical Thinking or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3640 Environmental Ethics or 3 hrs

Restricted Electives
■ None
Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Earn a grade of “C” (2.0) or better in each course used to satisfy the minor.
■ At least 15 credit hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Legal Studies - Minor
College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (18 hrs)

PLA 3014 Law and the Legal System or 3 hrs

Restricted Electives (15 hrs)
■ 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives (3 hrs)
■ 3 semester hours of law-related courses selected with the aid of an advisor
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C” (2.0) is required in each course to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Email: Journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 2.5 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- JOU 2100C News Reporting 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4447 Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select from the following: 9 hrs
- ENC 3310 Magazine Writing I or 3 hrs
- JOU 3310 Social Media Writing for Magazines or 3 hrs
- JOU 3201 Editing I or 3 hrs
- JOU 4211C Informational Graphics or 3 hrs
- JOU 4213C Page Design or 3 hrs
- JOU 4300 Feature Writing or 3 hrs
- JOU 4340C Online Journalism I 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Marketing - Minor
College of Business Administration
Department of Marketing.
Business Administration II, Room: 307S
UCF Majors other than Marketing

Minor Admission Requirements
- Open to all UCF Majors other than Marketing.
- Completion of MAR 3023 with a “B” (3.0) or better.

- UCF overall GPA of 2.75 or better required at time of admission to the Marketing minor.

Minor Requirements
- After admission to the Marketing minor, a grade of “C” (2.0) or better is required in all marketing courses taken to satisfy the minor.
- At least nine hours used to satisfy the requirements of the Marketing minor must be earned at UCF within the Department of Marketing.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)
- MAR 3023 Marketing 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3611 Marketing Analysis and Research Methods 3 hrs
- MAR 4803 Marketing Management 3 hrs

Restricted Electives (3 hrs)
Select one:
- MAR 3611 Marketing Intelligence 3 hrs
- MAR 3765 Entrepreneurial Marketing 3 hrs
- MAR 4156 International Marketing 3 hrs
- MAR 4231 Retailing Management 3 hrs
- MAR 4711 Sport Marketing 3 hrs
- MAR 4712 Healthcare Marketing 3 hrs
- MAR 4715 Entertainment Marketing 3 hrs
- MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
- MAR 4941 Marketing Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used to satisfy the requirements of the Marketing minor must be earned at UCF within the Department of Marketing.

Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- ADV 3008 Principles of Advertising 3 hrs
- MMC 2904 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives (9 hrs)
Select from the following:
- ADV 4103 Radio-Television Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- JOU 3060 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- MMC 4300 International Media 3 hrs
- MMC 4602 Contemporary Media Issues 3 hrs
- PUR 3210 Communication Approach to Corporate Social Responsibility 3 hrs
- PUR 4000 Public Relations 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- RTV 4503 Sports Programming in Electronic Media 3 hrs
- RTV 4700 Regulation of Broadcasting 3 hrs
- VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Materials Science and Engineering - Minor
College of Engineering and Computer Science
Department of Materials Science and Engineering
Dr. Jiyu Fang, jfang@ucf.edu, 407-823-0609

The field of “materials” encompasses concepts in many diverse fields ranging from chemistry, physics, and optics to mechanical, electrical, and chemical engineering. Rapid advances in technology have dramatically increased the importance of materials science and engineering to society. Materials Science and Engineering (MSE) is the study of the structure/processing/properties relationships of engineering materials. Modern MSE encompasses a broad range of materials, from traditional metallurgy to biological materials, polymers, ceramics, semiconductors, composites, and optical and magnetic materials, as well as numerous nanotechnology materials. The study of materials science allows students considerable freedom to the depth of their understanding of such materials while being simultaneously engaged in real world research. Participants in this minor will be able to improve their understanding, awareness and job skills in material selection and application to have additional opportunities and advantages to pursue a career in Engineering. Students taking graduate level EMA courses as Restricted Electives can use them for the Accelerated BS-to-MS program in Materials Science and Engineering.

Admission Requirements
- A minimum UCF GPA of 2.5 is required for acceptance into this minor.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- EMA 3124 Design and Selection of Materials 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials 3 hrs

Select 1: (3 hrs)
- EGN 3365 Structure and Properties of Materials or
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
388 Undergraduate Catalog 2016-2017
### Minors

#### Mathematical Biology - Minor

**Department of Mathematics, Mathematical Sciences Building, Room: 207**

**http://math.ucf.edu**

Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu

Phone: 407-823-0147

**Admission Requirements**

- None

**Minor Requirements**

- A minimum grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- A Bachelors degree must be completed at the time minor is awarded.
- At least 12 hours of courses with EGN and/or EMA prefixes must be used toward the minor requirements.
- Internship or Independent Study credit cannot be used toward the minor.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4484</td>
<td>Mathematical Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4494</td>
<td>Mathematical Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Required Courses**

- 21 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2011C</td>
<td>Biology II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4484</td>
<td>Mathematical Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4494</td>
<td>Mathematical Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- 3 hrs

Select from the following:

- BCH 4053 | Biochemistry I | 3 hrs |
- PCB 3023 | Molecular Cell Biology | 3 hrs |
- PCB 3044 | Principles of Ecology | 3 hrs |
- PCB 3063 | Genetics | 3 hrs |
- PCB 4863 | Evolutionary Biology | 4 hrs |

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Lower division courses do not substitute for Upper Division courses.

### Mathematics - Minor

**College of Sciences**

**Department of Mathematics, Mathematical Sciences Building, Room: 207**

**http://math.ucf.edu**

Dr. Joseph Brennan, MSB 312, Joseph.Brennan@ucf.edu

Phone: 407-823-0147

**Minor Admission Requirements**

- The minor is not open to Mathematics or Math Education majors.

**Minor Requirements**

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- At a minimum of 6 hours used in the minor must be used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4484</td>
<td>Mathematical Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4494</td>
<td>Mathematical Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Required Courses**

- 15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- 3 hrs

Select from the following:

- BCH 4053 | Biochemistry I | 3 hrs |
- PCB 3023 | Molecular Cell Biology | 3 hrs |
- PCB 3044 | Principles of Ecology | 3 hrs |
- PCB 3063 | Genetics | 3 hrs |
- PCB 4863 | Evolutionary Biology | 4 hrs |

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 24

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
**Minors**

**Mathematics Education - Minor**  
**College of Education and Human Performance**  
**School of Teaching, Learning, and Leadership,**  
**Education Building, Room: 209**  
[http://education.ucf.edu/mathed/](http://education.ucf.edu/mathed/)  
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,  
407-823-4336  
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

*Minor Admission Requirements*
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

*Minor Requirements*
- None

*Prerequisite Courses*
- None

*Required Courses (18 hrs)*
- A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4080 Theory and Practice of Teaching ESL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 3366 Middle and High School Mathematics for Teaching 3 hrs

*Select 1: 3 hrs*
- MAE 4360 Mathematics Instructional Analysis or Programs in Teaching of Mathematics 4 hrs
- MAE 4694

*Restricted Electives*
- None

*Foreign Language Requirements*
- None

*Total Semester Hours Required*
- 18

*Other Requirements*
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in mathematics as co-requisites
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

**Medical Anthropology - Minor**  
**College of Sciences**  
**Department of Anthropology,**  
**Howard Phillips Hall, Room: 309**  
**Email: anthro@ucf.edu**  
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students' understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

*Minor Admission Requirements*
- The minor is not open to Anthropology majors.

*Minor Requirements*
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

*Prerequisite Courses*
- Students must satisfy each course’s prerequisites before enrolling in the class.
- ANT 2000 General Anthropology 3 hrs

*Required Courses (12 hrs)*
- Complete all of the following:
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4406 Culture, Disease, and Healing 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs

*Restricted Electives*
- Select from the list below:
  - ANT 2000 General Anthropology 3 hrs
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4406 Culture, Disease, and Healing 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs

*Restricted Electives, Group A: 3 hrs*
- Select from the list below:
  - ANT 2000 General Anthropology 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth 3 hrs

*Restricted Electives, Group B: 6 hrs*
- Select from the list below:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
  - ANT 4013 Anthropology of Fast Food 3 hrs
  - ANT 4184 Mortuary Archaeology 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4802 Ethnographic Field Methods 3 hrs
  - May substitute a health-related course from another department with prior permission from Anthropology.

*Foreign Language Requirements*
- None

*Total Semester Hours Required*
- 21

*Other Requirements*
- No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

**Medical Sociology - Minor**  
**College of Sciences**  
**Department of Sociology,**  
**Howard Phillips Hall, Room: 403**  
[http://sociology.cos.ucf.edu](http://sociology.cos.ucf.edu)  
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role of social forces play in the way society views, treats, understands, and responds to illness and disease. This minor promotes an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health-related fields.

*Minor Admission Requirements*
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.
Minors

Minors

Minor Requirements

- Students are expected to have a minimum GPA of 2.0 in the minor and earn a “C” or better in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement or as general electives.
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following: 3 hrs

- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)

- Select from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYG 4244 Food and Society 3 hrs
  - SYO 3408 Animals and Health 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYO 4424 Men, Masculinities, and Health 3 hrs
  - SYO 4401 Social Determinants of Health 3 hrs
  - SYO 4402 Sociology of Health and Illness Behavior 3 hrs
  - SYP 3060 Sociology of Sex and Reproduction 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYG 4730 Patterns of Aging in Society 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- No Internship, Experiential Education or Independent Study credit can be used toward the minor.

Medieval and Renaissance Studies - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405

http://www.english.ucf.edu/

Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)

- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1 ENL 4311 Chaucer 3 hrs
  - 1 ENL 4341 Milton and His Age 3 hrs
  - 1 ENL 4333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)

- Select no more than two from each disciplinary group:

  Department of Art
  - ARH 4200 Medieval Art 3 hrs
  - ARH 4310 Italian Renaissance Art 3 hrs

Department of English

- ENL 3220 English Renaissance Poetry and Prose 3 hrs
- ENL 4311 Chaucer 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- ENL 4341 Milton and His Age 3 hrs
- ENL 3222 Renaissance Women in Literature 3 hrs

Department of History

- AMH 4110 Colonial America, 1607-1763 3 hrs
- AMH 4112 The Atlantic World 3 hrs
- EUH 3122 Medieval Society and Civilization 3 hrs
- EUH 3142 Renaissance and Reformation 3 hrs
- EUH 3531 Medieval Ireland 3 hrs
- EUH 3536 Early Modern Ireland 3 hrs
- EUH 4500 English History to 1485 3 hrs
- EUH 4501 English History: 1485-1815 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Department of Modern Languages

- FRW 3100 Survey of French Literature I 3 hrs
- ITW 3100 Survey of Italian Literature I 3 hrs
- SPW 3370 Spanish Short Story 3 hrs
- SPW 4310 Early Modern Spanish Theatre 3 hrs
- SPW 4322 Contemporary Iberian Theatre 3 hrs
- SPW 4604 Cervantes 3 hrs
- ITT 3443 Dante’s Inferno 3 hrs

Department of Music

- MUH 4322 Medieval and Renaissance Music 3 hrs

Department of Philosophy

- PHH 3200 Medieval Philosophy 3 hrs
- HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor

College of Arts and Humanities

Program in Middle Eastern Studies, Colbourn Hall, Room: 551

http://middleeasternstudies.cah.ucf.edu/

Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (9 hrs)

- CPO 3403 Politics of the Middle East 3 hrs
- REL 3363 Islam 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (9 hrs)

- Additional courses may be used only with prior permission of the program director.
Minors

- Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARA 2200</td>
<td>Intermediate Arabic Language and Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>Islam and its Empires</td>
<td>3</td>
</tr>
<tr>
<td>ASH 5227</td>
<td>The Arab-Israeli Conflict</td>
<td>3</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3</td>
</tr>
<tr>
<td>REL 3320</td>
<td>Moses, Jesus and Muhammad</td>
<td>3</td>
</tr>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
<td>3</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion</td>
<td>3</td>
</tr>
<tr>
<td>JST 3820</td>
<td>Modern Israeli Culture</td>
<td>3</td>
</tr>
<tr>
<td>PHH 3200</td>
<td>Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>REL 2300</td>
<td>World Religions</td>
<td>3</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Military Science - Minor

**College of Engineering and Computer Science**

**Army ROTC, Classroom Building 2, Room: 321**

LTC David Jones

Phone: 407-823-1872

**Minor Admission Requirements**

- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

**Minor Requirements**

- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

**Prerequisite Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 1001C</td>
<td>Foundations of Officerhip</td>
<td>2</td>
</tr>
<tr>
<td>MSL 1002C</td>
<td>Basic Leadership</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2101C</td>
<td>Individual Leadership Studies</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2102C</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 3001C</td>
<td>Leadership and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>MSL 3002C</td>
<td>Leadership and Ethics</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officerhip</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 1001C</td>
<td>Foundations of Officerhip</td>
<td>2</td>
</tr>
<tr>
<td>MSL 1002C</td>
<td>Basic Leadership</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2101C</td>
<td>Individual Leadership Studies</td>
<td>2</td>
</tr>
<tr>
<td>MSL 2102C</td>
<td>Leadership and Teamwork</td>
<td>2</td>
</tr>
<tr>
<td>MSL 3001C</td>
<td>Leadership and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>MSL 3002C</td>
<td>Leadership and Ethics</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officerhip</td>
<td>4</td>
</tr>
</tbody>
</table>

**Required Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3541</td>
<td>U. S. Military History To 1900</td>
<td>3</td>
</tr>
<tr>
<td>AMH 3547</td>
<td>U.S. Military History Since 1900</td>
<td>3</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

Music - Minor

**College of Arts and Humanities**

**Department of Music**

**Performing Arts Center - Music, Room: M203**

http://music.cah.ucf.edu/

Lauren Rausch, lauren.rausch@ucf.edu, 407-823-2758

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1004</td>
<td>Fundamentals of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2010</td>
<td>Enjoyment of Music or</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>Evolution of Jazz or</td>
<td>3</td>
</tr>
<tr>
<td>MUL 2720</td>
<td>Music of the World or</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2017</td>
<td>Survey of Rock Music or</td>
<td>3</td>
</tr>
<tr>
<td>MUH 2019</td>
<td>American Popular Music, 1840s-present</td>
<td>3</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 19

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor

**College of Sciences**

**Department of Physics**

**Physical Sciences Building, Room: 403**

http://www.physics.ucf.edu

Email: physics@ucf.edu

Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.
Nonprofit Management/National Certification in Nonprofit Management - Minor

College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses (9 hrs)
- The three required courses include a 20-hour service learning component.
  PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
  PHZ 3464 Nanoscience II: Technological Applications 3 hrs
  PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs

Restricted Electives (9 hrs)
- Select three courses from the following list. One course must be chosen from the listed from the Physics department. Other electives should be taken with approval of the program director.
  PHY 3802L Intermediate Physics Laboratory 3 hrs
  PHY 3101 General Physics Using Calculus III 3 hrs
  PHZ 3151 Computer Methods in Physics 3 hrs
  BSC 3424 Nanobiotechnology 3 hrs
  OSE 3490 Nanophotonics 3 hrs
  PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  PHY 4604 Wave Mechanics I 3 hrs
  PHY 4605 Wave Mechanics II 3 hrs
  CHM 3410 Physical Chemistry I 4 hrs
  CHM 5450 Polymer Chemistry 3 hrs
  CHM 4610 Inorganic Chemistry 3 hrs
  PHI 3626 Advanced Ethics in Science and Technology 3 hrs
  PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  PHZ 5425C Electron Solid Interactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.
### Minors

**Required Courses (15 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Other Requirements**

- Total Semester Hours Required: 15
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

### Foreign Language Requirements

- None

### Performing Arts Administration - Minor

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center, Room: M203**


Lauren Rausch, laurenr@ucf.edu  
Phone: 407-823-2758

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

### Minor Admission Requirements

- The minor is not open to Anthropology majors.

### Minor Requirements

- Students must earn a grade of “C” (2.0) or better in all course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

### Prerequisite Courses

- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4153</td>
<td>North American Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3580</td>
<td>North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives (6 hrs)**

- Complete two of the following courses:
- Course substitutions must be approved in advance by the North American Indian Studies Program Director.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3315</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Other Requirements

- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

**Undergraduate Catalog 2016-2017**

UNIVERSITY OF CENTRAL FLORIDA

394

Undergraduate Catalog 2016-2017
Minors

Management
MAR 3023 Marketing 3 hrs
MAN 3025 Management of Organizations 3 hrs

Nonprofit Sector
PAD 4148 Volunteer Management 3 hrs
PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
PAD 3003 Public Administration in American Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 30

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  Select 1: 3 hrs
  PHI 2011 Philosophical Reasoning or 3 hrs
  PHI 2101 Formal Logic I or 3 hrs
  PHI 2547 Logic and Ethics or 3 hrs
  PHI 3131 Formal Logic II or 3 hrs
  PHI 2108 Critical Thinking 3 hrs

  History of Philosophy
  Select 1: 3 hrs
  PHH 3100 Ancient Philosophy or 3 hrs
  PHH 3200 Medieval Philosophy or 3 hrs
  PHH 3400 Modern Western Philosophy or 3 hrs
  PHH 3800 Contemporary Philosophy 3 hrs

  Values and Society
  Select 1: 3 hrs
  PHI 3670 Ethical Theory or 3 hrs
  PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
  PHM 3401 Philosophy of Law or 3 hrs
  PHI 3800 Aesthetics or 3 hrs
  PHM 3123 Feminist Theories or 3 hrs
  PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  PHI 3625 Virtual Ethics or 3 hrs
  PHI 4633 Ethics and Biological Science or 3 hrs
  PHM 3100 Freedom and Justice or 3 hrs
  PHI 3640 Environmental Ethics or 3 hrs
  PHM 4031 Environmental Philosophy or 3 hrs
  PHH 3701 Native American Philosophy or 3 hrs

  PHI 3805 Contemporary Aesthetics or 3 hrs
  PHM 3020 Philosophy of Love or 3 hrs
  PHI 4673 Medical Ethics 3 hrs

Being and Knowing
Select 1: 3 hrs
- PHI 4500 Metaphysics or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4420 Philosophy of Social Science or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
- PHP 4782 Phenomenology or 3 hrs
- PHI 4221 Philosophy of Language 3 hrs

Topics in Philosophy
Select 1: 3 hrs
- PHI 4931 Philosophy in the News or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body/ Self or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHP 3783 Modernity as a Philosophical Problem or 3 hrs
- PHI 3750 The Problem of Evil or 3 hrs
- PHI 3720 Faith and Reason or 3 hrs
- PHI 3803 Philosophy and Creativity or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- PHP 3750 Existentialism or 3 hrs
- PHP 4933 Key Concepts in Philosophy or 3 hrs
- PHP 4931 Key Figures in Philosophy or 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from any of the courses listed above.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- At least 15 hours in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Physics - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
Minors

At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses  (11 hrs)

- PHY 2048C General Physics Using Calculus I  4 hrs
- PHY 2049C General Physics Using Calculus II  4 hrs
- PHY 3101 General Physics Using Calculus III  3 hrs

Restricted Electives  (9 hrs)

- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements

- None

Total Semester Hours Required

- 20

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/Prelaw - Minor

College of Sciences

Department of Political Science, Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements

- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  - 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following courses:
    - POS 2041 American National Government  3 hrs

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Political Science.

Prerequisite Courses

- Most courses for this minor have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses  (6 hrs)

- POS 2041 American National Government  3 hrs
- POS 4294 Judicial Process and Politics  3 hrs

Restricted Electives  (12 hrs)

Select 1:

- INR 4401 International Law  3 hrs
- POS 4603 American Constitutional Law I  3 hrs
- POS 4604 American Constitutional Law II  3 hrs

Restricted Upper Division Electives  9 hrs

- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  - POS 4941 Political Science Internship  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Pre-Law in the Humanities - Minor

College of Arts and Humanities

Department of History
Patricia Farless, Patricia.Farless@ucf.edu, 407-823-2225

Admission Requirements

- None
Minor Requirements

- None

Prerequisite Courses

- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

Required Courses

Select 3 courses from the following: 9 hrs

- AMH 3558 History of American Law 3 hrs
- ENC 3314 Writing and Rhetoric 3 hrs
- LIT 3933 Literature and Law 3 hrs
- PHI 2101 Formal Logic I 3 hrs

Restricted Electives

Select 3 additional Pre-Law Humanities minor 9 hrs courses from the list below; one of these may include the 4th course from the list above.

- English
  - ENC 4312 Theory & Practice Persuasive Writing or 3 hrs
  - LIN 4801 Language and Meaning or 3 hrs
  - LIT 3437 International Environmental Justice Literature 3 hrs

- History
  - AMH 3560 Women, Law, and Society in American History 3 hrs
  - EUH 4504 English Legal History I 3 hrs

- Philosophy
  - PHI 2108 Critical Thinking or 3 hrs
  - PHI 3670 Ethical Theory or 3 hrs
  - REL 4178 Religion and Law 3 hrs

- Writing and Rhetoric
  - ENC 3250 Professional Writing or 3 hrs
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- You may take a maximum of 6 hours from a single department.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Psychology - Minor

College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
Email: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements

- The minor is not open to psychology majors.

Minor Requirements

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)

- PSY 3012 General Psychology 3 hrs
- PSY 3024C Statistical Methods in Psychology 4 hrs
## Minors

### Select one statistics course: (3 hrs)
- STA 2014C: Principles of Statistics or 3 hrs
- STA 2023: Statistical Methods I 3 hrs

### Restricted Electives (15 hrs)

#### A. Experimental
- Select 1: 3 hrs
  - EXP 3204: Perception or 4 hrs
  - EXP 3404: Basic Learning Processes or 3 hrs
  - EXP 3604: Cognitive Psychology or 4 hrs
  - PSB 4240C: Neuropsychology or 4 hrs
  - EXP 3640: Psychology of Language 3 hrs

#### B. Personality/Social
- Select 1: 3 hrs
  - PPE 3003: Personality Theory and Research or 3 hrs
  - SOP 3004: Social Psychology 3 hrs

#### C. Developmental
- Select 1: 3 hrs
  - DEP 2004: Developmental Psychology or 3 hrs
  - DEP 3202: Psychology of Exceptional Children or 3 hrs
  - DEP 3464: Psychology of Aging 3 hrs

#### D. Diversity
- Select 1: 3 hrs
  - CLP 3184: Women’s Mental Health or 3 hrs
  - SOP 3723: Cross Cultural Psychology or 3 hrs
  - SOP 3724: Psychology of Prejudice or 3 hrs
  - SOP 3742: Psychology of Women or 3 hrs
  - SOP 3784: Psychology of Diversity 3 hrs

#### E. Select one additional Psychology elective (3 hrs)
- The following courses will NOT fulfill this requirement:
  - INP 3141C: Advanced Applied Psychology 3 hrs
  - INP 3951: Industrial/Organizational Field Work 3 hrs
  - PSY 3905: Directed Independent Study 1 hr
  - PSY 4906: Directed Independent Study 3 hrs
  - PSY 4912: Directed Independent Research 3 hrs
  - 1 PSY 3951: Undergraduate Field Work 3 hrs

1 This course may fulfill the requirement with prior approval.

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 25

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

## Public Administration - Minor

### College of Health and Public Affairs

### School of Public Administration,

### Health and Public Affairs II, Room: 238

**http://www.cohpa.ucf.edu/publicadmin**

Dr. Michael Abels, michael.abels@ucf.edu, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

### Minor Admission Requirements
- None

### Required Courses (21 hrs)
- PAD 3003: Public Administration in American Society 3 hrs
- PAD 3733: Professional Administrative Writing in the Public Sector 3 hrs

### Restricted Electives (6 hrs)
- Select 2: 6 hrs
  - REE 4103: Real Estate Appraisal and Valuation or 3 hrs
  - REE 4203: Commercial Real Estate Finance or 3 hrs
  - REE 4204: Residential Real Estate Finance or 3 hrs
  - REE 4303: Real Estate Investment Analysis or 3 hrs
  - REE 4732: Real Estate Development or 3 hrs
  - REE 3614: Environmental Issues for Real Estate or 3 hrs
  - REE 4933: Advanced Topics in Real Estate 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

---

**UNIVERSITY OF CENTRAL FLORIDA**

398 Undergraduate Catalog 2016-2017
Minors

Religion and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)

A. Studying Religion and Culture 3 hrs
Select 1: 3 hrs
REL 2000 Introduction to Religion and Cultural Studies or
REL 2300 World Religions 3 hrs

B. Traditions 6 hrs
- Must select one in each category with at least one course from the Philosophy Department

Abrahamic Traditions 3 hrs
REL 3403 Christianity or 3 hrs
REL 3363 Islam or 3 hrs
REL 3320 Moses, Jesus and Muhammad or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
JST 3401 Jewish People in Antiquity 3 hrs

Asian and Indigenous Traditions 3 hrs
REL 3333 Hinduism or 3 hrs
REL 3340 Buddhism or 3 hrs
ANT 3245 Native American Religions 3 hrs

C. Theories and Methods 6 hrs
- Must select one in each category

Religion 3 hrs
REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
REL 4496 Key Concepts in Religion and Cultural Studies or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
REL 4157 Religion and Psychoanalysis or 3 hrs
PHI 3720 Faith and Reason 3 hrs

Cultural Studies 3 hrs
HUM 4459 American Cultural Studies in Humanities or 3 hrs
HUM 3805 Critical Theory in the Humanities or 3 hrs
HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
HUM 4823 Queer Theory in the Humanities or 3 hrs
HUM 4826 Postcolonial Theory or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHH 3600 Contemporary Philosophy 3 hrs

D. Religion in Culture 3 hrs
- Must select one from the following:
REL 3111 Religion and Philosophy Through Film 3 hrs
REL 3115 Religion, Spirituality, and Popular Music 3 hrs
REL 3130 Religion in America 3 hrs
REL 4110 Religion and the Arts 3 hrs
REL 4180 Religion and Medicine 3 hrs
REL 3112 Religion and 20th Century Fantasy Texts 3 hrs
REL 3101 Religion in Popular Culture 3 hrs
REL 4178 Religion and Law 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
JST 3550 Introduction of Modernism into Judaism 3 hrs
POT 4632 Religion and Politics 3 hrs
SYO 4200 Religion in Society 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A ‘C’ (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
Email: History@ucf.edu
Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)

Language Classes
RUS 2200 Intermediate Russian Language and Civilization I 3 hrs
RUS 2201 Intermediate Russian Language and Civilization II 3 hrs

Restricted Electives (6 hrs)

History
EUH 4571 History of Russia to 1801 3 hrs
EUH 4574 History of Russia: 1801-1917 3 hrs
EUH 4576 History of Russia in the 20th Century 3 hrs
EUH 4663 History of Communism in Europe 3 hrs

Government/Politics
CPO 3614 Politics of Eastern Europe 3 hrs
CPO 4643 Government and Politics of Russia 3 hrs
PLA 4830 World Legal Systems 3 hrs
POT 4414 Marxist Political Theory 3 hrs

Cultural
LIT 3082 Continental European Fiction Since 1900 3 hrs
LIT 3931 Topics in World Literature 3 hrs
LIT 4233 Postcolonial Theory and Literature 3 hrs
RUT 3505 Russian Culture and Civilization 3 hrs
RUS 3955 Study Abroad 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Minors

Other Requirements
- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Malcolm Butler, ED 322T, malcolm.butler@ucf.edu, 407-823-3272
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Required Courses (19 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.cs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Required Courses (6 hrs)
- CIS 3360 Security in Computing 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives (12 hrs)
- Select any four courses from the following list.
- CNT 4403 Network Security and Privacy or 3 hrs
- CIS 4361 Secure Operating Systems and Administration or 3 hrs
- CIS 4615C Secure Software Development and Assurance or 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs
- COP 4660 Operating Systems or 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Social Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond. This minor is not available to students in pending status in a College of Education and Human Performance major.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor
Minors

Spanish - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mill.cah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
■ EDG 4410 Teaching Strategies and Classroom Management 3 hrs
■ EDF 4467 Learning Theory and Assessment 3 hrs
■ TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
■ RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
■ SSE 4361 Social Science Instructional Analysis 3 hrs
■ SSE 4936 Programs in Teaching Social Science 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Students must earn a grade of a “C” (2.0) or better in courses within the minor.
■ No more than 3 hours of Independent Study credit can be used toward the minor.

Sociology - Minor

College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Dr. Lin Huff-Corzine, sociology@ucf.edu, 407-823-3744

Minor Admission Requirements
■ The minor is not open to Sociology majors.

Minor Requirements
■ Students should see an advisor prior to registering for classes.
■ Students must complete 18 hrs of courses in social science as co-requisites.
■ At least 12 hours in the minor must be earned at UCF.
■ Obtain a minimum 2.5 GPA in courses required for minor.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
■ SYG 2000 Introduction to Sociology 3 hrs

Restricted Electives (15 hrs)
■ 2000-4000 level Sociology courses 3 hrs

Restricted Upper Division Electives 12 hrs
■ 3000-4000 level Sociology courses

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ No Experiential Education and internship credit can be used toward the minor.

Sport Business Management (SPB) - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 302Z
Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
■ SPB 3003 Introduction to Sport Business Management 3 hrs
■ SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
■ SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
■ SPB 3834 Sports Event and Facility Management 3 hrs
■ SPB 4040 Sport Business and Media 3 hrs
■ GEB 4824 Business Law in Sport & Entertainment 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None
Minors

- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required courses can count toward another major or minor degree program.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course CAN NOT be used as a restricted elective:
  STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not available to students in the College of Education and Human Performance with the exception of Sport and Exercise Science. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- None

Other Requirements
- A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
- A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
- Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
- No Military credit can be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education and Human Performance.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to learn how to develop and commercialize innovations. The courses describe several commercialization pathways including corporate ventures and licensing, but will emphasize the development of startup business ventures. Students will learn how to create economic and social value and incorporate business considerations into their problem solving and design efforts. Participants will also learn contemporary approaches to designing and implementing technology startup business models capable of taking an innovation to market.
Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- ENT 3613 Creativity and Entrepreneurship 3 hrs
- ENT 4013 New Venture Design 3 hrs
- ENT 4014 New Venture Implementation 3 hrs

Select 1
- DIG 3563 Information Management and Entrepreneurship 3 hrs
- EGN 4641C Engineering Entrepreneurship or 3 hrs
- ENT 4183 Technological Entrepreneurship 3 hrs

Supplemental Requirement
- None

Restricted Electives (12 hrs)
- DIG 4713C Game Design & DIG 4715C Game Production 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.

Terrorism Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Awareness of and knowledge about terrorism and counter-terrorism are increasingly essential in a variety of public and private sector organizations. Students in this minor will gain knowledge in competing ideologies that give rise to terrorism, coercive techniques in international affairs, global security management, and key aspects of American security policy. In addition to a core understanding of terrorism, the focus on a specific area of geographic or strategic interest will meet the market needs for individuals with substantive area knowledge. This minor program is available to students from varied disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/elective courses can count toward another major or minor degree program.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- DSC 4012 Terrorism 3 hrs
- INR 4084 Politics of International Terrorism 3 hrs

Restricted Electives (12 hrs)
Select two from the following: 6 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- DSC 4013 Homeland Security and Criminal Justice ST: Honors Terrorism from a Global Perspective 3 hrs
- INR 3909H American Security Policy 3 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 4364 The Intelligence Community 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs
Minors

Restricted Upper Division Electives (3000 - 6 hrs level or above)
- Two classes focused on regional/issue area study. Classes to be chosen in consultation with the program director. Students are encouraged to propose course selections that are relevant to their expertise (e.g., computer science/cyber-warfare, physical sciences/bio-weapons proliferation by non-state actors) for approval by program director. The pairings below serve as examples only.

For Example:
- ASH 3223 The Modern Middle East and Latin America 3 hrs
- CPO 3403 Politics of the Middle East 3 hrs
- or
- INR 4243 International Politics of Latin America and Central America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Theatre - Minor

College of Arts and Humanities

Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
407-823-2862

Minor Admission Requirements
- We accept minor applications at any time. Email the following application materials to theatre@ucf.edu:
- A statement of why you want to become a Theatre Minor
- A course history list (including grades) of theatre courses completed at UCF or any other university
- A completed UCF Theatre Department Student Information Form (found on our website)

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- THE 2000 Theatre Survey 3 hrs
- THE 3006 Greece to Grease: Development of Theatre 3 hrs
- 1 TTP 2110C Acting I - Introduction 3 hrs
- 2 TPA 2200 Introduction to Technical Theatre 2 hrs
- 3 TPA 2200L Theatre Participation-Production I 1 hr

1 Can substitute TPP 2185 Acting for Non-Majors or any Acting Class
2 Can substitute any Stagecraft Class.

Restricted Electives (6 hrs)
- Any DAA, DAI, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

Urban and Regional Planning - Minor

College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Christopher Hawkins, christopher.hawkins@ucf.edu
Phone: 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (21 hrs)
- PAD 3339 Urban and Regional Planning 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4331 Land Use and Planning 3 hrs
- PAD 4334 Urban Design 3 hrs
- PAD 4253 Community & Economic Development 3 hrs
- PAD 4351 Issues in Environmental Program Management 3 hrs
- PAD 4803 Issues in Urban Administration 3 hrs

Restricted Electives

Suggested Courses
- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.
- PAD 4822 Intergovernmental Administration 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.
Women’s and Gender Studies - Minor
College of Arts and Humanities
Program in Women’s and Gender Studies, Colbourn Hall, Room: 118
http://wgst.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana, 407-823-6502
Phone: 407-823-6502

The Women’s and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide students with an opportunity to learn about women’s historical and contemporary roles gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women’s and Gender Studies Program.

Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

Minor Admission Requirements
■ None

Minor Requirements
■ Students cannot earn both the minor in Women’s and Gender Studies and the Certificate on Gender Studies.

Prerequisite Courses
■ None

Required Courses
■ Required Courses (12 hrs)
WST 3015 Introduction to Women’s Studies 3 hrs
WST 3603 Introduction to Gender Studies 3 hrs

Select 2:
■ Select two courses from the Theories Group, one of which must be a WST prefixed course.
WST 3522 First and Second Wave Feminisms or 3 hrs
WST 3561 Third Wave Feminisms or 3 hrs
WST 3621 Theories of Masculinity or 3 hrs
WST 4415 Global and Transnational Feminism or 3 hrs
LIT 4554 Advanced Feminist Theories or 3 hrs
PHM 3325 Introduction to Gender Studies 3 hrs
PHM 3264 Theories of Sex and Gender in Humanities 3 hrs

Restricted Electives
■ Restricted Electives (6 hrs)
■ Students should complete at least one of their two Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women’s Studies Disciplinary Approaches
WST 3371 Women and Leadership 3 hrs
WST 3500 Gender Issues and Community Activism 3 hrs
WST 4002 Research in Women and Gender Studies 3 hrs
WST 4021 Girls and Leadership 3 hrs
WST 4349 Ecofeminism 3 hrs
WST 4023 Virtual Girls 3 hrs
WST 4022 Girls and the Body 3 hrs

Women’s History
AMH 3581 Women in American History I 3 hrs
AMH 3562 Women in American History II 3 hrs
ASH 4304 Women in China 3 hrs
EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
AML 3263 Contemporary American Women’s Fiction 3 hrs
ARH 4871 Women in Art 3 hrs
COM 4014 Gender Issues in Communication 3 hrs
FIL 3880C Images of Women in Film 3 hrs
LIT 3383 Women in Literature 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs
PHM 3222 Sexuality, Gender & Philosophy 3 hrs
LIT 3381 Writers of Color 3 hrs
AML 3286 Early American Women’s Words 3 hrs
ENC 4374 Gendered Rhetorics 3 hrs
THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs

Women’s Wellness
CLP 3184 Women’s Mental Health 3 hrs
NSP 4425 Women’s Health Issues 3 hrs
SOP 3742 Psychology of Women 3 hrs

Gender and Social Policy
ANT 3302 Sex, Gender and Culture 3 hrs
CCJ 4670 Women and Crime 3 hrs
CCJ 4681 Domestic Violence and the Justice System 3 hrs
CPO 4710 Women in Comparative Politics 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
PUP 3325 Women and Political Behavior 3 hrs
PUP 4323 Women and Public Policy 3 hrs
SYD 4810 Women in Contemporary Society 3 hrs
SYD 4813 Women, Law and Social Change 3 hrs
SYO 4100 Family Trends 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs
PHI 3629 Family Values 3 hrs
PHM 3020 Philosophy of Love 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major. All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ Required Courses (3 hrs)
IDS 3333 World Comparative Studies 3 hrs
Minors

Restricted Electives (15 hrs)

- Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture

- Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.

- Required courses: Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

- Thematic Concentrations:
  - Language and Culture
  - Social Structure and Change
  - Biological and Geophysical Environment
  - Economics

Economics

- Required Courses (18 hrs)

Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.

- At least 15 hours used in the minor must be earned at UCF.

- No credit by exam (TSD, Military credit) may be used.

- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership

Irina McLaughlin, irina.mclaughlin@ucf.edu, 352-536-2113

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements

- Minimum 2.5 overall GPA.

- Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses (16 hrs)

- General Education Program
- Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.

- Total Semester Hours Required: 18

- Structure and Change
- Biological and Geophysical Environment
- Economics

Social Structure and Change

- Required Courses (15 hrs)

Other Requirements

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18
World Languages Education - Languages Other Than English (LOTE) - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220L
http://education.ucf.edu/language
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. This minor is not available to students in pending status in a College of Education and Human Performance major. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements
- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDG 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Students in Schools 3 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- TSL 4943 L2 Academic Language Instruction 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Writing and Rhetoric - Minor
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Stephanie Vie, Program Director, Stephanie.Vie@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0745

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

Minor Admission Requirements
Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all supporting information.

Minor Requirements
- Students should work with a department academic advisor to select courses that support the students’ intended career path post-graduation.

- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

Prerequisite Courses
- None

Required Courses (3 hrs)
- Students should take this core course as early in the program as possible.
- ENC 3314 Writing and Rhetoric Foundations 3 hrs

Restricted Electives (15 hrs)
- Theories and Histories of Writing, Rhetoric, and Literacy
- Students must take at least one course from the following:
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3330 Rhetorical Traditions 3 hrs
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 3417 Literacy and Technology 3 hrs
  - ENC 3503 Topics in Writing & Literacy Studies 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs
  - ENC 4374 Gendered Rhetorics 3 hrs
  - ENC 4434 Visual and Material Rhetorics 3 hrs
  - ENC 4504 Contemporary Composition Theory 3 hrs

Applications of Writing and Rhetoric 6 hrs
- Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

Civic and Cultural Rhetoric and Writing
- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3375 Rhetoric in Popular Culture 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4354 Writing with Communities and Nonprofits 3 hrs
- ENC 4376 Writing in Global and Transnational Contexts 3 hrs

Professional and Digital Writing
- ENC 3250 Professional Writing 3 hrs
- ENC 3351 Writing for Publication 3 hrs
- ENC 3417 Literacy and Technology 3 hrs
- ENC 3433 Multimedia Writing and Composition 3 hrs
- ENC 3453 Writing About Health and Medicine 3 hrs
- ENC 3454 Topics in Professional and Digital Writing 3 hrs
- ENC 3455 Writing about Science and Technology 3 hrs
- ENC 3473 Writing in Disciplinary Cultures 1 hr
- ENC 4212 Professional Editing 3 hrs
- ENC 4416 Writing in Digital Environments 3 hrs
- ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
- ENG 3533 Marketing Your Writing 3 hrs
- LIN 3673 Rhetorical Grammar 3 hrs
Minors

Additional Restricted Electives 6 hrs
- Students must take at least 6 hours from the following:
  - Any 3000 or 4000 level ENC, LIN, or CRW course not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level writing-intensive course approved by the program director. See program director or advisor for list of approved courses.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the minor.
- A grade of "C+" (2.25) or better is required in each course used to satisfy the minor.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.
CERTIFICATES

Aging Studies - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A required internship, along with course options that include service-learning activities, complements the web-based courses.
■ Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
■ None

Required Courses (6 hrs)
■ None
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
■ SOW 4510 Field Education 9 hrs
■ SOW 4941 Internship 3 hrs
■ HSA 4941 Internship 3 hrs
■ PSY 3951 Undergraduate Field Work 3 hrs
■ SYP 4941 Internship 3 hrs

Restricted Electives (9 hrs)
■ Students select three additional courses from the following courses: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs 6 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

Other Colleges 3 hrs
- DEP 4364 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- 1 GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Anthropology of Global Health - Certificate
College of Sciences
Department of Anthropology
http://www.cos.ucf.edu/anthropology
Email: anthro@ucf.edu
Dr. Joanna Mishtar
Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

Admission Requirements
■ None

Certificate Requirements
■ A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
■ At least 12 hours used toward the certificate must be earned at UCF.
■ Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses
■ None

Required Courses (6 hrs)
■ Students must satisfy the prerequisites, if any, for each course before enrolling in the class.
- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:
- ANT 4408 Culture, Disease, and Healing 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)
■ Students select 3 additional courses from the following list:
- ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
- ANT 4013 Anthropology of Fast Food 3 hrs
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- ANT 4462 Medical Anthropology 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- ENC 3453 Writing About Health and Medicine 3 hrs
- ENC 4378 Writing in Global and Transnational Contexts 3 hrs
- GEO 3471 World Political Geography 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 4201 Community Health 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 3016 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Certificates

INR 4075  Human Rights Policy  3 hrs
INR 4011  Politics of Globalization  3 hrs
INR 4085  Women, Gender, and Globalization  3 hrs
MGB 4276  Epidemiology of Infectious Diseases  3 hrs
PAF 4754  Interdisciplinary Leadership in Public Affairs  3 hrs
PUP 4602  Politics of Health  3 hrs
SYP 4454  Global Inequality and Society  3 hrs
SYO 4400  Medical Sociology  3 hrs
SYO 4401  Social Determinants of Health  3 hrs
SYO 4132  Global Family Trends  3 hrs
WST 3020  Girls' Studies  3 hrs
WST 4415  Global and Transnational Feminism  3 hrs

Foreign Language Requirements
- None

Certificate Admission Requirements
- None

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Relevant Internship, Research, or Independent Study credit cannot be used toward the certificate without prior consent.
- One substitution for an Elective Course with another relevant course will only be allowed with prior approval from the certificate advisor.

Behavioral Forensics - Certificate

College of Sciences
Department of Psychology,
Psychology Building, Room: 301

http://psychology.cos.ucf.edu

Email: kmottare@ucf.edu

Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Take all of the following: 6 hrs
- Complete both:
  - PSY 2012  General Psychology and
  - SYO 2000  Introduction to Sociology

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003  Personality Theory and Research and
  - SYP 3510  Sociology of Deviant Behavior

Required Courses (9 hrs)
- CLP 4390  Forensic Psychology  3 hrs
- SOP 3751  Legal Aspects of Psychology  3 hrs
- SYP 3520  Criminology  3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected.

Psychology: Select from the following: 3 hrs
- CLP 3143  Abnormal Psychology

Sociology: Select from the following: 6 hrs
- SYP 3511  Sociology of Murder
- SYP 3530  Juvenile Delinquency
- SYP 3540  Sociology of Law
- SYP 3562  Patterns of Domestic Violence in Society
- SYP 4514  Patterns of Violence in Society
- SYP 4521  Crime Victims in Society
- SYP 4536  Gangs and Society

Criminal Justice: Select from the following: 3 hrs
- CJE 4012  Criminal Profiling in Criminal Justice
- CJE 4530  Serial Murder and Criminal Justice
- CCJ 3014  Crime in America
- CCJ 3024  Criminal Justice System
- CCJ 3667  Victims and the CJ System
- CCJ 4670  Women and Crime
- CCJ 4681  Domestic Violence and the Justice System
- CCJ 4690  Sex Offenders and the Criminal Justice System

Foreign Language Requirements
- None

Total Semester Hours Required
- 33

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.
- Lower division courses do not substitute for upper division courses.

Children’s Services - Certificate

College of Health and Public Affairs

School of Social Work,
Health and Public Affairs I, Room: 204

Email: socialwk@ucf.edu

BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

Prerequisite Courses
- None
### Civics Teaching - Certificate

**College of Sciences**

**College of Education and Human Performance**

**Department of Political Science**

**School of Teaching, Learning, and Leadership**


**Email:** politics@ucf.edu

**Email:** socscied@ucf.edu

Dr. Terri Susan Fine

Dr. Scott Waring

The Civics Teaching certificate will provide pre-service teachers with complementary, civics teaching-focused coursework that will build on and enhance the Social Science Education B.S. program. Individuals enrolled in the Civics Teaching certificate program will learn the substantive content, skills and pedagogical tools needed to deliver instruction explicitly linked to the 7th grade Civics End of Course Assessment in Florida. Certificate will be awarded only at the time of degree completion.

**Admission Requirements**

- 3.0 overall GPA
- Social Science Education B.S. major (pending or admitted)
- Completion of POS 2041 with a grade of “C” (2.0) or better
- Admission by application which will include a letter of intent and a current transcript
- Applications must be submitted through the online portal available at politicalscience.cos.ucf.edu/, education.ucf.edu/ stll/ and lourfeyinstitute.org
- Junior or senior standing

**Certificate Requirements**

- A minimum overall 3.0 GPA is required in all courses used to satisfy requirements.
- All 12 credit hours used towards the certificate must be earned at UCF.

**Prerequisite Courses**

- None

**Required Courses** *(12 hrs)*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 4700</td>
<td>Teaching American Politics and Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3272</td>
<td>Civic Engagement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 4941</td>
<td>Political Science Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4323</td>
<td>Teaching Civics in Florida</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.

### Crime Analysis and Crime Mapping - Certificate

**College of Health and Public Affairs**

**Department of Criminal Justice,**

**Health and Public Affairs I, Room: 311**

**Email:** cjadvise@ucf.edu

R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects.

Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- Students are required to take courses as specified below and to declare the Certificate.

**Prerequisite Courses**

- There are no certificate program prerequisites; however individual courses may have prerequisites.

**Required Courses** *(9 hrs)*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJE 3662</td>
<td>CJ Information Technology and Data Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4663</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4076</td>
<td>Crime Intelligence and Investigative Support</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives** *(6 hrs)*

- Select two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3451</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>Crime Prevention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4654</td>
<td>Crime and Place</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4550</td>
<td>The Criminal Justice Manager</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4552</td>
<td>Policy Development in Law Enforcement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4572</td>
<td>Justice Agency Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15

**Other Requirements**

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.
Certificates

Crime Scene Investigation - Certificate
College of Health and Public Affairs
College of Sciences
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
Dr. John Schultz, jschultz@ucf.edu, 407-823-2618
Dr. Mark Winton, cjadvise@ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)
■ Note: some courses have limited offerings, and should be taken when available.
ANT 4193 Archiological Sciences 3 hrs
ANT 4521 Forensic Anthropology 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
■ Select from the following courses:
ANT 4115C Archaeological Method and Theory 3 hrs
CCJ 4615 Interviews & Interrogations in CJ 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs
SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the certificate.

Cultural Tourism - Certificate
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
HFT 3540 Guest Services Management I 3 hrs
HFT 3700 Tourism Management 3 hrs
HFT 4735 Tourism Geography 3 hrs
ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (6 hrs)
■ Choose two classes from one of the following areas:

SUMMARY OF CERTIFICATE COURSES

Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Mark Winton, cjadvise@ucf.edu, 407-823-2603

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
■ There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
CLP 3143 Abnormal Psychology 3 hrs
CJE 4630 Serial Murder and Criminal Justice 3 hrs
CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs
CJE 4012 Criminal Profiling in Criminal Justice 3 hrs

Restricted Electives (3 hrs)
■ Select one of the following:
DSC 4012 Terrorism 3 hrs
CJE 4610 Criminal Investigation 3 hrs
CCJ 4195 Interviews & Interrogations in CJ 3 hrs
African American Heritage area (choose two classes)
AFA 3104  The Black Intellectual Experience  3 hrs
AFA 4105  Documenting Africana Heritage and Life  3 hrs
SYD 3700  Race and Ethnicity  3 hrs

Anthropology area (choose two classes)
ANT 2140  Archaeology and the Rise of Human Culture  3 hrs
ANT 3212  Peoples of the World  3 hrs
ANT 2410  Cultural Anthropology: Global Perspectives, Local Contexts  3 hrs
ANT 4115C  Archaeological Method and Theory  3 hrs
ANT 3701  Engagement & Social Change: Public Anthropology  3 hrs

Environmental Tourism area (choose two classes)
BOT 3152C  Local Flora  3 hrs
PCB 3442  Aquatic Ecology  3 hrs
INR 4351  International Environmental Law  3 hrs
PUP 3203  Environmental Politics  3 hrs
PUP 3204  Sustainability  3 hrs
SYD 4510  Environment and Society  3 hrs

Latin American area (choose two classes)
ANT 3163  Mesoamerican Archaeology  3 hrs
ANT 3168  Maya Archaeology  3 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
ANT 4340  Caribbean Cultures  3 hrs
ARH 4653  Meso American Art  3 hrs
CFO 4303  Comparative Latin American Politics  3 hrs
LAH 3400  History of Mexico and Central America  3 hrs
LAH 3470  History of the Caribbean  3 hrs
LAH 3130  Latin American History I  3 hrs
LAH 3200  Modern Latin America  3 hrs

Foreign Language Requirements
- None
- Total Semester Hours Required 18

Other Requirements
- A grade of “C” or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director

Cyber Operations - Certificate
College of Engineering and Computer Science
Department of Computer Science
Dr. Thomas Nedorost, nedorost@eecs.ucf.edu

This certificate distinguishes those students with special training in cyber operations. Recommended for students majoring in Computer Science, Information Technology, and Computer Engineering seeking additional academic content in cyber security.

Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (36 hrs)
COP 3223C  Introduction to Programming with C or 3 hrs
EGN 3211  Engineering Analysis and Computation  3 hrs

Select 1: 3 hrs
COT 3100C  Introduction to Discrete Structures or 3 hrs
MAD 2104  Foundations of Discrete Math  3 hrs

Select 1: 3 hrs
COP 4600  Operating Systems or 3 hrs
CIS 3763  Operating System Concepts  3 hrs

Select 1: 3 hrs
CNT 4704  Analysis of Computer Communication Networks or 3 hrs
EEL 4781  Computer Communication Networks  3 hrs

Select 1: 3 hrs
PLA 4583  Cyber Law I or 3 hrs
PLA 5587  Current Issues in Cyberlaw  3 hrs

Select one of the following sequences of courses:
CDA 3103C  Computer Logic and Organization and 3 hrs
EEL 4768  Computer Architecture  3 hrs
or
EEL 3801C  Computer Organization and 3 hrs
EEL 4768  Computer Architecture  3 hrs
or
CIS 3269  Computer Architecture Concepts  3 hrs

Restricted Electives (9 hrs)
CAP 3104  Foundations of HCI  3 hrs
CIS 4524  Managing IT Integration  3 hrs
CNT 4714  Enterprise Computing  3 hrs
COP 3402  Systems Software  3 hrs
CIS 5131  Computer Forensics I: Seizure and Examination of Computer Systems  3 hrs
EEL 4346C  Hardware Security and Trusted Circuit Design  3 hrs
EEL 4742C  Embedded Systems  4 hrs
EEL 4783  Hardware Description Languages in Digital Systems Design  3 hrs
EEL 5722C  Field-Programmable Gate Array (FPGA) Design  3 hrs

Foreign Language Requirements
- None
- Total Semester Hours Required 45

Other Requirements
- A grade of “C” (2.0) or better is required in each course toward this certificate.
- A student may not earn both the Cyber Operations Certificate and the Secure Computing and Networks Minor.
- Total hours required may vary based on courses selected to meet requirements.

Diplomacy - Certificate
College of Sciences
College of Arts and Humanities
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu/
Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608
Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.
Certificates

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- AMH 4513 United States as a Great Power: 1914-1945 or 3 hrs
- EHU 4620 European Great Powers: 1815-1914 or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law or 3 hrs
- INR 4402 International Law or 3 hrs
- INR 4403 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs

Restricted Electives (6 hrs)
- Select two courses from the following list: 6 hrs
  - AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
  - EHU 4620 European Great Powers: 1815-1914 or 3 hrs
  - INR 4054 Global Politics of Energy or 3 hrs
  - INR 4074 Immigration Policy or 3 hrs
  - INR 4075 Human Rights Policy or 3 hrs
  - INR 4076 Global Drug Policy or 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
  - INR 4114 American Security Policy or 3 hrs
  - INR 4351 International Environmental Law or 3 hrs
  - INR 4401 International Law or 3 hrs
  - INR 4402 International Law or 3 hrs
  - INR 4403 International Organizations or 3 hrs
  - INR 4714 Politics of International Trade Policy or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Engineering Leadership - Certificate
College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Discipline specific design course in engineering or Computer Science
- EGS 3030 Leadership in Engineering I or 0 hrs
- EGS 3031 Leadership in Engineering II or 0 hrs
- EGS 4950 Engineering Leadership Capstone or 3 hrs
- Pick 2 of the following courses or 6 hrs
  - ENT 4183 Technological Entrepreneurship or 3 hrs
  - EGS 4624 Engineering Innovation and Leadership or 3 hrs
  - MAR 3391 Professional Selling or 3 hrs
  - INR 4071 International Business or 3 hrs

1 Engineering Leadership Capstone

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must have a minimum grade of “C” (2.0) or Satisfactory (in eligible courses) in all courses in the certificate.
- This certificate must be earned in conjunction with a degree in engineering or Computer Science.
- Not open to students seeking the Engineering Leadership Minor.
- Any course substitution must be approved by the Associate Dean responsible for Undergraduate Curriculum within CECS.

Entrepreneurship - Certificate
College of Business Administration
Department of Management,
Business Administration I, Room: 309
Open to Business and Non-Business Students
http://www.cel.ucf.edu
Email: Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

Entrepreneurial thinking skills that help individuals recognize opportunities, create solutions, and implement plans are essential to professional success and long-term career security. This certificate introduces students to models, methods, and skills associated with developing successful startups and new social, corporate, and government ventures. The certificate is open to students from all majors who want to learn how to turn their ideas into viable startups and new ventures.

Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- ENT 4014 New Venture Design or 3 hrs
- ENT 4013 New Venture Implementation or 3 hrs

1 Students admitted to the Launching the Venture program (details available at www.cel.ucf.edu) may substitute ENT 4948 Launching the Venture I and ENT 4949 Launching the Venture II for these required courses.

Restricted Electives (6 hrs)
- Select 2:
  - ENT 4014 New Venture Design or 3 hrs
  - ENT 4013 New Venture Implementation or 3 hrs
  - ENT 4949 Launching the Venture II or 3 hrs
  - ENT 4948 Launching the Venture I or 3 hrs
  - ENT 4906 Directed Independent Study or 3 hrs
  - ENT 4942 Entrepreneurial Internship or 3 hrs
  - MAR 3407 Contemporary Selling or 3 hrs
  - MAR 3765 Entrepreneurial Marketing or 3 hrs

1 Requires completion of the College of Business Common Program Prerequisites and Primary Core as prerequisites. Therefore, these courses are not available to non-business majors.
2 Students must apply for the Launching the Venture program in late spring and be admitted before being permitted to register for Launching the Venture I (fall) and Launching the Venture II (spring). Details for this program are available at http://www.cel.ucf.edu.

UNIVERSITY OF CENTRAL FLORIDA
414 Undergraduate Catalog 2016-2017
Certificates

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
■ An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
■ None

Required Courses
■ (12 hrs)
   - FIN 4324 Commercial Bank Management 3 hrs
   - ACG 3131 Intermediate Financial Accounting I 3 hrs
   - ACG 3141 Intermediate Financial Accounting II 3 hrs
   - Select 1: 3 hrs
      - MAR 3391 Professional Selling or 3 hrs
      - FIN 4941 Finance Internship 3 hrs

Restricted Electives
■ None

Finance: Investments - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
■ An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
■ None

Required Courses
■ (12 hrs)
   - FIN 4504 Equity and Capital Markets 3 hrs
   - FIN 4514 Portfolio Analysis and Management 3 hrs
   - FIN 4533 Financial Derivatives 3 hrs
   - FIN 4941 Finance Internship 3 hrs

Restricted Electives
■ None

Finance: Banking - Certificate
College of Business Administration
Department of Finance,
Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
■ An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses
■ None

Required Courses
■ (12 hrs)
   - ACG 3131 Intermediate Financial Accounting I 3 hrs
   - FIN 4314 Intermediate Corporate Finance 3 hrs
   - FIN 4941 Finance Internship 3 hrs
   - ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ None
Certificates

Total Semester Hours Required
- 12

Other Requirements
- None

Gender Studies - Certificate
College of Arts and Humanities
Program in Women’s and Gender Studies,
Colbourn Hall, Room: 118
http://wgst.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana
Phone: 407-823-6502

The certificate program in Gender Studies is designed to provide students with a foundation for discussions of gender, sexuality, and other intersectionalities through a historical and cultural lens, with an awareness of the fluidity of gendered identities and the diversity of gendered experiences.

Certificate Admission Requirements
- None

Certificate Requirements
- Students cannot earn the Gender Studies certificate and the Women’s and Gender Studies minor.

Prerequisite Courses
- None

Required Courses (3 hrs)
- WST 3603 Introduction to Gender Studies 3 hrs

Restricted Electives (9 hrs)
- Students can select from the restricted electives listed for a total of 9 hours.
- WST 3621 Theories of Masculinity 3 hrs
- WST 3800 Gender Issues and Community Activism 3 hrs
- WST 4002 Research in Women and Gender Studies 3 hrs
- HUM 4823 Queer Theory in the Humanities 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- SYD 3801 Sex and Gender in Society 3 hrs
- WST 4941 Internship 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs
- Internship required by a student's major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women's issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

Human Biology - Certificate
College of Sciences
Department of Anthropology
http://cos.ucf.edu/anthropology
Department of Biology
http://cos.ucf.edu/biology
Dr. John Schultz, John.Schultz@ucf.edu

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is especially appropriate for anthropology, biology, and biomedical sciences students seeking an enhanced and interdisciplinary foundation in human biology.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Students must select and meet with a certificate advisor in either the Anthropology or Biology department.

Certificate Requirements
- None

Health Communication - Certificate
College of Sciences
Nicholson School of Communication
Email: nassc@ucf.edu
Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

Admission Requirements
- None

Certificate Requirements
- Certificates will be awarded only at the time of degree completion.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)
- COM 3022 Health Communication 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- MMC 2004 Mass Media 3 hrs
- PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)
Choose from the following:
- AN 4408 Culture, Disease, and Healing 3 hrs
- AN 4462 Medical Anthropology 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None
Intelligence and National Security - Certificate

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Dr. Mark Schafer, politics@mail.ucf.edu, 407-823-3328

This certificate introduces students to the fundamentals of intelligence and national security, and allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This certificate will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

Admission Requirements
None

Certificate Requirements

■ A grade of “C” (2.0) or better for all classes is required in courses counting towards the certificate.
■ At least 9 hours used in the certificate must be taken at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/ new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (7 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (12 hrs)

■ Anthropology majors must select courses from Restricted Electives Group A.
■ Biology majors must select courses from Restricted Electives Group B.
■ Biomedical Sciences majors must select courses from Restricted Electives Group C.

Restricted Electives Group A:
■ Anthropology Majors select four courses from the list below:
  - BSC 2011C Biology II 4 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection Techniques 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs

Restricted Electives Group B:
■ Biology Majors select four courses from the list below:
  - ANT 4115C Archaeological Method and Theory 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs

Restricted Electives Group C:
■ Biomedical Sciences Majors select four courses from the list below:
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs

Foreign Language Requirements
None

Total Semester Hours Required
19

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, research, or Independent Study credit can be used to replace one restricted elective course with approval from a certificate advisor.
■ Majors other than Anthropology, Biology, or Biomedical Sciences may earn The Human Biology Certificate but must select courses with a certificate advisor.
■ One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor.
Certificates

Judaic Studies - Certificate

College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.cah.ucf.edu
Email: judaicst@ucf.edu
TBD, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3250</td>
<td>Biblical Hebrew</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Jewish History

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3481</td>
<td>20th Century Jewish History and Thought</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3415</td>
<td>American Jewish History</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3417</td>
<td>Sephardi Jews: History, Culture, and Folklore</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Bible

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3120</td>
<td>Hebrew Scriptures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3126</td>
<td>Romantic Love in the Bible</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3190</td>
<td>The Biblical Prophets</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3424</td>
<td>Biblical Archaeology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3100</td>
<td>The Hebrew Bible as Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3312</td>
<td>Identity and Genre</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3803</td>
<td>The Israeli Experience in Short Stories</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Jewish Civilization

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3121</td>
<td>Classic Texts of Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3210</td>
<td>Kabbalah: Jewish Mysticism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3620</td>
<td>Contemporary Jewish Ethics and Morality</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Culture

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3820</td>
<td>Modern Israeli Culture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

JST 3551 | The Holy and the Profane: The Introduction of Secularism into Modern Judaism | 3 hrs |
| JST 3550 | Introduction of Modernism into Judaism | 3 hrs |
| JST 3821 | Israel: Start-Up Nation | 3 hrs |

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- None

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neuropsychologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders. This is for those in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 3713</td>
<td>Language Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LIN 3716</td>
<td>Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 4400</td>
<td>Language Disorders Across the Life Span</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- None

Other Requirements
- A minimum grade of "C-" (1.75) is required in each course.
- Students must earn an overall GPA of 2.0 in courses to complete the certificate.
Leadership Studies - Certificate
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- **Foundation Requirement**
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 hrs

- **Restricted Requirements** 9 hrs
  - Choose one course from three of the areas below:
    - **Communication**
      - 3 hrs
      - COM 3011C Communication and Human Relations
    - **Collaboration**
      - 3 hrs
      - INP 3004 Industrial/Organizational Psychology
    - **Social Relations and Culture**
      - 3 hrs
      - ANP 3304 Biobehavioral Anthropology

- **Required Courses**
  - 13 hrs
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 hrs
  - 3 hrs
  - COM 3011C Communication and Human Relations
  - 3 hrs
  - COM 3120 Organizational Communication
  - 3 hrs
  - COM 4461 Intercultural Communication
  - 3 hrs
  - COM 4462 Conflict Management

- **Restricted Electives** (6 hrs)
  - Choose from the following:
    - **Communication**
      - 3 hrs
      - COM 3011C Communication and Human Relations
    - **Collaboration**
      - 3 hrs
      - INP 3004 Industrial/Organizational Psychology
    - **Social Relations and Culture**
      - 3 hrs
      - ANP 3304 Biobehavioral Anthropology

- **Politics**
  - 3 hrs
  - PAD 3003 Public Administration in American Society

- **Ethics**
  - 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business
  - EDF 3601 Professional Ethics in Education
  - PAD 3040 Ethics and Values in Public Administration
  - PHI 2108 Critical Thinking
  - PHI 3640 Environmental Ethics

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: anthro@ucf.edu
Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at time of degree completion.

Admission Requirements
- None

Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student's GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.
  - ANT 2000 General Anthropology
  - AMH 2010 U.S. History: 1492-1877
  - AMH 2020 U.S. History: 1877-Present

Required Courses (9 hrs)
- **Politics**
  - 3 hrs
  - PAD 3003 Public Administration in American Society
  - PAD 4104 Administrative Theory
  - PAD 4144 Nonprofit Organizations
  - PAF 4754 Interdisciplinary Leadership in Public Affairs
  - POS 3413 The American Presidency
  - POS 4206 Political Psychology
  - PUP 3325 Women and Political Behavior

- **Ethics**
  - 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business
  - EDF 3601 Professional Ethics in Education
  - PAD 3040 Ethics and Values in Public Administration
  - PHI 2108 Critical Thinking
  - PHI 3640 Environmental Ethics

- **Restricted Electives** (6 hrs)
  - Choose from the following:
    - 3 hrs
      - AMH 3441 History of the Frontier: Eastern America
      - AMH 4101 U.S. History: 1492-1877
      - AMH 2020 U.S. History: 1877-Present
      - AML 3643 Contemporary Native American Prose and Poetry

    - 3 hrs
      - ANT 3152 Cliffs, Canyons, and Desert: Ancient Societies of the Greater Southwest
      - ANT 3158 Florida Archaeology

    - 3 hrs
      - AMI 4100 U.S. History: 1877-Present
      - AMI 3580 North American Indians
      - PAF 4754 Interdisciplinary Leadership in Public Affairs
      - POS 3413 The American Presidency
      - PUP 3325 Women and Political Behavior

    - 3 hrs
      - BUL 3130 Legal and Ethical Environment of Business
      - EDF 3601 Professional Ethics in Education
      - PAD 3040 Ethics and Values in Public Administration
      - PHI 2108 Critical Thinking
      - PHI 3640 Environmental Ethics

    - 3 hrs
      - AMH 2010 U.S. History: 1492-1877
      - AMH 2020 U.S. History: 1877-Present
      - AML 3643 Contemporary Native American Prose and Poetry
      - ANT 3152 Cliffs, Canyons, and Desert: Ancient Societies of the Greater Southwest
      - ANT 3158 Florida Archaeology
Certificates

ANT 3160  Americas Before Columbus  3 hrs
ANT 3163  Mesoamerican Archaeology  3 hrs
ANT 3164  Ancient Incas  3 hrs
ANT 3165  Archaeology of South America  3 hrs
ANT 3168  Maya Archaeology  3 hrs
ANT 3311  Indians of the Southeastern United States  3 hrs
ANT 3398  Black/Seminole Relations  3 hrs
ANT 4332  People and Cultures of Latin America  3 hrs
LAS 3101  Latin American Popular Culture  3 hrs
CPO 4794  Indigenous Politics and the Environment  3 hrs
POS 3076  American Indian Politics  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Course substitutions must be approved in advance by the Director of the Native American Studies Program.

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, stephanie.krick@ucf.edu, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4144  Nonprofit Organizations  3 hrs
- PAD 4148  Volunteer Management  3 hrs
- PAD 4147  Resource Development in the Nonprofit Sector  3 hrs
- PAD 4325  Program Evaluation for Public and Nonprofit Organizations  3 hrs
- PAD 4153  Planning and Improvement for Public Organizations  3 hrs

Restricted Electives (3 hrs)
- See advisor for approved courses

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn Hall, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Stephanie Vie, Program Director, Stephanie.Vie@ucf.edu, 407-823-1057
Dr. Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349
Dr. Marcy Galbreath, Program Advisor, Marcy.Galbreath@ucf.edu, 407-823-0745

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements
Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Students must provide all appropriate documentation.

Certificate Requirements
- Students should work with a department academic advisor to select courses that support the students’ intended career or path post-graduation.
- Students cannot earn both the Certificate in Public and Professional Writing and the Minor in Writing and Rhetoric.

Prerequisite Courses
- None

Required Courses (6 hrs)
- ENC 3314  Writing and Rhetoric Foundations  3 hrs
- Select 1: 3 hrs
  - ENC 3250  Professional Writing or 3 hrs
  - ENC 4212  Professional Editing or 3 hrs
  - LIN 3673  Rhetorical Grammar  3 hrs

Restricted Electives (6 hrs)
- Students must take any two 3000-4000 level courses taught by the department not restricted to the major or used to satisfy another requirement.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must earn a minimum 2.5 GPA in all coursework used to satisfy the certificate.
- A grade of “C+” (2.25) or better is required in each course used to satisfy the certificate.
- At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate prerequisites; however, individual courses may have prerequisites.

Required Courses (12 hrs)
- SCC 3311   Security Administration 3 hrs
- CJT 3803   Security Management 3 hrs
- CJT 4843   Risk Management in Criminal Justice/ 3 hrs
- CCJ 4644   White Collar Crime 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJE 3444   Crime Prevention 3 hrs
  - CJT 3821   Practical Security Applications 3 hrs
  - SCC 3316   Special Security Problems 3 hrs
  - DSC 4012   Terrorism 3 hrs
  - DSC 4013   Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Service-Learning - Certificate

College of Undergraduate Studies

Office of Experiential Learning, CSEL, Suite 300
http://www.explearning.ucf.edu
A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- Four UCF-approved SL courses
  - Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule. Students may also contact the Office of Experiential Learning to clarify SL designated courses.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

Spanish for Health Professionals - Certificate

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

Admission Requirements
- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

Certificate Requirements
- For degree-seeking students, certificates will be awarded only at time of degree completion.

Prerequisite Courses
- None

Required Courses (9 hrs)
- HSC 3110  Medical Self Assessment 3 hrs
- SPN 4410  Advanced Spanish Conversation 3 hrs
- SPT 3809  Medical Spanish Translation/Interpretation 3 hrs

Restricted Electives (6 hrs)
- Select one of the following upper division courses:
  - Spanish courses:
    - SPN 3344  Advanced Spanish Native Fluency I or 3 hrs
    - SPN 3345  Advanced Spanish Native Fluency II 3 hrs
  - Select one of the following Health Sciences upper division courses:
    - HSA 3111  U.S. Health Care Systems or 3 hrs
    - HSA 4109  Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
    - HSC 3211  Preventive Health Care or 3 hrs
    - HSC 4201  Community Health or 3 hrs
    - HSC 4555  Pathophysiology I or 3 hrs
    - HSC 4558  Pathophysiology II 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the certificate.
- All 15 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director’s discretion.

Spanish for the Legal World - Certificate

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. Humberto Lopez Cruz, hlopez@ucf.edu, 407-823-2472

Admission Requirements
- Students must demonstrate a foreign language proficiency in Spanish equivalent to third-year college level to be admitted to the certificate.

Certificate Requirements
- For degree-seeking students, certificates will be awarded only at time of degree completion.
Certificates

Prerequisite Courses
- None

Required Courses (9 hrs)
- PLA 3014 Law and the Legal System 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- SPT 3831 Spanish Legal Translation and Interpretation 3 hrs

Restricted Electives (6 hrs)
Select one of the following Public Affairs upper division courses
- PLA 3306 Criminal Law or 3 hrs
- PLA 4020 Law and Society 3 hrs

Select one of the following Spanish upper division courses
- SPN 3344 Advanced Spanish Native Fluency I or 3 hrs
- SPN 3345 Advanced Spanish Native Fluency II 3 hrs

Total Semester Hours Required
- 15

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the certificate.
- All 15 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Independent study and substitute courses/new courses are allowed at the director’s discretion.

Substitute Teaching - Certificate

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 206F
http://education.ucf.edu/subteach
Email: Lindsay.archambault@ucf.edu
Lindsay Archambault, 407-823-2861

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. This certificate does not lead to teacher certification or admission to the College of Education and Human Performance. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EDF 2007 Introduction to Substitute Teaching 3 hrs
- EDF 2250 Classroom Management for Substitute Teachers 3 hrs
- EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restricted Electives
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Teaching English as a Foreign Language - Certificate

College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements (12 hrs)
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- TSL 3346 English as an International Language 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- ANT 3610 Language and Culture 3 hrs
- TSL 4363 ESL Classroom Experiences 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Translation and Interpretation - Certificate

College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

Certificate Admission Requirements
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- SPT 3800 Spanish Translation and Interpretation 3 hrs
- SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15
SPT 3809  Medical Spanish Translation/Interpretation  3 hrs  
SPT 3831  Spanish Legal Translation and Interpretation  3 hrs  
SPN 4941  Internship  3 hrs

Restrictive Electives  
■ None

Foreign Language Requirements  
■ None

Total Semester Hours Required  
■ 15

Other Requirements  
■ A grade of “C” (2.0) or better is required in all courses used to satisfy the certificate.
■ At least 12 hours used in the certificate must be earned at UCF within the Department.
■ Independent Study or Co-op credit cannot be used toward the certificate.
■ No credit by exam (TSD, Military credit) may be used.
■ Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate  
College of Health and Public Affairs  
Department of Criminal Justice,  
Health and Public Affairs I, Room: 311  
Email: cjadvise@ucf.edu  
Dr. MaryAnn Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements  
■ None

Certificate Requirements  
■ Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses  
■ There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)  
CCJ 3667 Victims and the CJ System  3 hrs  
CCJ 4670 Women and Crime  3 hrs  
CCJ 4681 Domestic Violence and the Justice System  3 hrs

Restricted Electives (6 hrs)  
■ Select two of the following:
  SYP 4521 Crime Victims in Society  3 hrs  
  NUR 4516 Crisis Intervention  3 hrs  
  SOW 4754 Forensic Social Work Theory and Practice  3 hrs  
  CJJ 4564 Juvenile Justice System  3 hrs  
  CCJ 4690 Sex Offenders and the Criminal Justice System  3 hrs  
  CCJ 4129 Cultural Diversity in Criminal Justice  3 hrs  
  PLA 4530 Legal Issues of the Elderly  3 hrs

Foreign Language Requirements  
■ None

Total Semester Hours Required  
■ 15

Other Requirements  
■ A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
■ At least 12 hours used in the program must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.  
■ Internship or Independent Study credit cannot be used toward the certificate.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E., M.S.M.E. or M.S.BM.E)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu

Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyoun Jung “Joe” Cho, hjcho@ucf.edu, 407-823-5014
Phone: 407-823-5448

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE, MSME or MSBME program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

- EGS 1006C  Introduction to the Engineering Profession  1 hr
- EGN 107C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (51 hrs)

- EGN 3310  Engineering Analysis-Statics  3 hrs
- EGN 3343  Thermodynamics  3 hrs
- EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- STA 3032  Probability and Statistics for Engineers  GEP
- EAS 3101  Fundamentals of Aerodynamics  3 hrs
- EAS 3800C  Aerospace Engineering Measurements  3 hrs
- EAS 3810C  Design of Aerospace Experiments  3 hrs
- EAS 4105  Flight Mechanics  3 hrs
- EAS 4134  High-Speed Aerodynamics  3 hrs
- EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
- EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
- EGM 3601  Solid Mechanics  3 hrs
- EAS 4200  Analysis & Design of Aerospace Structures  3 hrs
- EGN 3321  Engineering Analysis-Dynamics  3 hrs
- EML 4225  Introduction to Vibrations and Controls  3 hrs
- EML 3701  Fluid Mechanics I  3 hrs
- EML 4142  Heat Transfer  3 hrs

5. Restricted Electives (12 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.
- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

EAS 4700C  Aerospace Design I  3 hrs
EAS 4710C  Aerospace Design II  3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

Electives
- None

Departmental Exit Requirements
- None

Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE, MSME or MSBME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
Accelerated Undergraduate-Graduate Programs

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 16 credit hours of graduate course work will be formally admitted into the master’s program in Communication Sciences and Disorders following receipt of the bachelor’s degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MGF 1106 Finite Mathematics (3 hrs)

   Select 1:
   Suggested STA 2023 Statistical Methods I (3 hrs)
   Suggested STA 2014C Principles of Statistics or (3 hrs)

D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology (3 hrs)

Select 1:
   Suggested ECO 2013 Principles of Macroeconomics (3 hrs)
   or
   Suggested ECO 2023 Principles of Microeconomics (3 hrs)
   or
   Suggested POS 2041 American National Government (3 hrs)

E: Science Foundations (6 hrs)
   Required PHY, CHM, or PSC course listed in GEP E.1 (3 hrs)
   Any BSC course listed in GEP E.2 or ANT 2511 (3 hrs)

2. Common Program Prerequisites (CPP)
   STA 2014C Principles of Statistics (GEP)
   PSY 2012 General Psychology (GEP)
   Any BSC course or ANT 2511 (GEP)
   PHY, PSC or CHM (GEP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (50 hrs)
   SPA 3471 Communication Disorders in Literature and Media (3 hrs)
   SPA 3101 Psychological Bases of Speech and Hearing (3 hrs)
   SPA 3112 Basic Phonetics (3 hrs)
   SPA 3112L Basic Phonetics Lab (1 hr)
   SPA 3123L Speech Perception Lab (1 hr)
   SPA 4032 Audiology (3 hrs)
   SPA 3401 American National Government (3 hrs)
   SPA 3472 Guidance of Young Children with Special Needs (3 hrs)
   SPA 3473 Guidance of Young Children with Special Needs Lab (1 hr)
   SPA 4070 Teaching Exceptional Students (3 hrs)

Select 1:
   EAB 3703 Principles of Behavior Modification or (3 hrs)
   EEX 4601 Introduction to Behavior Management or (3 hrs)
   EEC 4604 Classroom Management and Guidance of Young Children or (3 hrs)
   EDF 3303 Learning Environments and Guidance for Young Children or (3 hrs)
   SPA 3472 Guidance of Young Children with Communication Disorders or (3 hrs)
   SPA 3473 Guidance of Young Children with Special Needs Lab (1 hr)
   SPA 4070 Teaching Exceptional Students (3 hrs)

Statistics Requirement
- 6 hrs

Option 1: (6 hrs)
   STA 2023 Statistical Methods I and (3 hrs)
   STA 4163 Statistical Methods II (3 hrs)

Option 2: (3 hrs)
   STA 2014C Principles of Statistics and (GEP)
   SPA 6805 Research in Communicative Disorders or (3 hrs)
   STA 2023 Statistical Methods I and (GEP)
   SPA 6805 Research in Communicative Disorders (3 hrs)

5. Restricted Electives (9 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements
- None
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of “B” in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Early Childhood Education
- Physical Therapy

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- “D” (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6496</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.Cp.E. / M.S.Cp.E.)
Department of Electrical and Computer Engineering,
Harris Corp. Engineering Center, Room: 439
http://www.ece.ucf.edu
Email: eeece-grad@ece.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGS 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs

Select 1:
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 3 hrs

Courses Required for the Major
- 48 hrs
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3004C</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3123C</td>
<td>Networks and Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEE 3307C</td>
<td>Electronics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EEL 3801C</td>
<td>Computer Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>Embedded Systems</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EGN 3211</td>
<td>Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 A "C" (2.0) or better is required in this course.

### 5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSCPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements (6 hrs)
- EEL 4914 | Senior Design I                           | 3 hrs |
- EEL 4915L | Senior Design II                          | 3 hrs |

### 7. Foreign Language Requirements

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

**Electives**
- None

### 9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Undergraduate Hours Required
- 128

### 20 Undergraduate Hours Required
- 146

### Honors In Major
- None

### Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.
- Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

### Graduate Courses Link
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeps.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

### Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

**College of Engineering and Computer Science**

**Department of Computer Science**

**Harris Corp. Engineering Center, Room: 437**

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Dr. Shaojie Zhang, shzhang@cs.ucf.edu

Phone: 407-823-3327

### Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

### Degree Requirements
- None

1. **UCF General Education Program (GEP)** (39 hrs)
   - See Computer Science major in the catalog for track specific GEP requirements.
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations

2. **Common Program Prerequisites (CPP)** (17 hrs)
   - See Computer Science major in the catalog for the CPP requirements.
### Accelerated Undergraduate-Graduate Programs

#### 3. Core Requirements: Basic Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3902C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3903C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3380</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402</td>
<td>Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3960</td>
<td>CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

**Select 1:** 3 hrs

- ENC 3241 Writing for the Technical Professional or
- ENC 3250 Professional Writing

#### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4934</td>
<td>Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4935</td>
<td>Senior Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives**

- **5000 level Computer Science courses** 9 hrs

- Courses must be within nine hours of graduation

- At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed.

**4000-5000 level mathematics or statistics** 6 hrs

- Courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.

- No independent study hours, internship, or cooperative education hours are allowed.

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

#### 6. Capstone Requirements

- **None**

#### 7. Foreign Language Requirements

**Admissions**

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

**Graduation**

- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

**8. Electives** (4 hrs)

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**

- **None**

**10. Required Minors**

- **None**

**11. Departmental Exit Requirements**

- **None**

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Undergraduate Hours Required**

- 120

**Total Combined Hours Required**

- 138

**Honors In Major**

- **None**

**Related Programs**

- Computer Engineering
- Information Technology

**Certificates**

- **None**

**Related Minors**

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

**Advising Notes**

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

**Transfer Notes**

- **None**

**Acceptable Substitutes for Transfer Courses**

- **None**

**Shared Courses** (12 hrs)

- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

**Graduate Courses Link**

- **None**

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alcacademic_learning_compacts.htm](http://www.oeas.ucf.edu/alcacademic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

### Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

**College of Engineering and Computer Science**

**Department of Electrical and Computer Engineering**

**Harris Corp. Engineering Center, Room: 439**

[http://www.ece.ucf.edu](http://www.ece.ucf.edu)

**Email:** eecpe-grad@ece.ucf.edu

Dr. Kalpathy Sundaram

Diana Camerino

Phone: 407-823-3327

**Admission Requirements**

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.
Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Core Requirements: Prerequisites (CPP) (19 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.

Engineering Core: Basic
- EGS 1006C - Introduction to the Engineering Profession - 1 hr
- EGN 1007C - Engineering Concepts and Methods - 1 hr

4. Core Requirements: Advanced Level (53 hrs)

Engineering Core: Advanced
- EGN 3300 - Engineering Analysis-Statics - 3 hrs
- STA 3032 - Probability and Statistics for Engineers - GEP
- PHY 3101 - General Physics Using Calculus III - 3 hrs

Select 1:
- EGN 3321 - Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 - Thermo-Fluids-Heat Transfer - 3 hrs

Courses Required for the Major
- 44 hrs

1 EEL 3004C - Electrical Networks - 3 hrs
1 EEL 3123C - Networks and Systems - 4 hrs
1 EEE 3350 - Semiconductor Devices I - 3 hrs
1 EEE 3307C - Electronics I - 4 hrs
1 EEE 3342C - Digital Systems - 4 hrs
1 EEL 3470 - Electromagnetic Fields - 3 hrs
1 EEL 3552C - Analog and Digital Communication - 4 hrs
1 EEL 3657 - Linear Control Systems - 3 hrs
1 EEL 3801C - Computer Organization - 3 hrs
1 EEE 4509C - Electronics II - 4 hrs
1 EEL 4750 - Digital Signal Processing Fundamentals - 3 hrs
1 EEL 4742C - Embedded Systems - 4 hrs
1 EGN 3211 - Engineering Analysis and Computation - 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 - Senior Design I - 3 hrs
- EEL 4915L - Senior Design II - 3 hrs

7. Foreign Language Requirements
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- 24 of 32 residency hours must be 3000-5000 level courses taken from the EECS Department at UCF and applicable to the undergraduate degree program.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes
The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oceas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Amelia Lyons
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master's degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- One official transcript (in a sealed envelope) from each college/university attended.
- A 3.5 GPA or higher in history courses
- Official competitive Graduate Record Exam (GRE) score taken within the last five years.
- An essay indicating reasons for wishing to complete the combined bachelor's/master's program.
- Three letters of recommendation from History faculty.
- Students will be formally admitted to the master's program following receipt of the B.A. degree.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 AMH 2010 U.S. History: 1492-1877 GEP
  1 AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.
  EUH 2000 Western Civilization I 3 hrs
  EUH 2001 Western Civilization II 3 hrs
  WOH 2012 World Civilization I 3 hrs
  WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)

Select six hours of approved history courses 18 hrs within three of the four geographic regions:
- Asian, African, and Middle Eastern
- British and European
- Latin American
- U.S. and Canadian

Select three hours of approved history courses 3 hrs
- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
- HIS 4959 History Portfolio 0 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
Graduate Degree Requirements
- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

1 See Transfer Notes for possible substitutes
10. Required Minors
■ None
11. Departmental Exit Requirements
■ Maintain a minimum GPA of 3.5 in upper division required courses attempted.
■ Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
■ Students must complete at least 18 of the required 36 history hours at UCF.
■ Computer competency met by completion of the major.
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Undergraduate Hours Required
■ 120
Total Combined Hours Required
■ 147
Honors In Major
■ None
Related Programs
■ None
Certificates
■ None
Related Minors
■ Africana Studies
■ American Studies
■ Asian Studies
■ Florida Studies
■ Humanities
■ Judaic Studies
■ Latin American Area Studies
■ Middle Eastern Studies
■ Women’s Studies
Advising Notes
■ None
Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
■ None
Shared Courses
■ None
Graduate Courses Link
■ None
Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oias.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering - Accelerated
Undergraduate-Graduate Program (B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.lems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
■ See Common Program Prerequisites
■ Qualified students may apply after completion of a minimum of 60 credit hours
■ Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
■ Admission is not automatic. Interested students may need to be interviewed

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ See Industrial Engineering major is the Catalog for track specific GEP requirements.
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (7 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (7 hrs)
2. Common Program Prerequisites (CPP) (19 hrs)
■ See Industrial Engineering major in the Catalog for the CPP requirements.
■ See “Common Prerequisites” in the Transfer and Transitions section for more information.
3. Core Requirements: Basic Level (60 hrs)
   Industrial Engineering Core: Basic 2 hrs
■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
   EGS 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr
4. Core Requirements: Advanced Level (59 hrs)
■ Graduate courses used to complete the Accelerated BS to MS will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI, STA and MAS. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.
   EIN 2002  Introduction to Industrial Engineering and Management Systems  1 hr
   COP 3223C  Introduction to Programming with C  3 hrs
   EGN 3310  Engineering Analysis-Statics  3 hrs
   EGN 3321  Engineering Analysis-Dynamics  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   EIN 5108  The Environment of Technical Organizations  3 hrs
   STA 3032  Probability and Statistics for Engineers  GEP
   MAS 3105  Matrix and Linear Algebra  4 hrs
   EIN 3314  Work Analysis and Design  3 hrs
   EIN 3351  Engineering Economic Analysis and Cost Engineering  3 hrs
   ESI 4221  Empirical Methods for Industrial Engineering  3 hrs
   ESI 4234  Quality Engineering  3 hrs
   EIN 4243C  Human Engineering  3 hrs
   EIN 4333  Production and Distribution Systems  3 hrs
   EIN 4364  Facilities Planning  3 hrs
Accelerated Undergraduate-Graduate Programs

EIN 4391  Manufacturing Engineering  3 hrs
EIN 4517  Systems Engineering  3 hrs
ESI 4628  Decision Support Systems for Industrial Engineers  3 hrs
ESI 5306  Operations Research  3 hrs
ESI 5531  Discrete Systems Simulation  3 hrs

Select 1:  3 hrs
EGN 3358  Thermo-Fluids-Heat Transfer  3 hrs
EGN 3343  Thermodynamics  3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.
2 Substitute for EGS 4624
3 Substitute for ESI 4312
4 Substitute for ESI 4523C
5. Restricted Electives (6 hrs)
   Three (3) hours of technical electives must be either EIN 5140 Project Engineering or ESI 5219 Engineering Statistics which are required core requirements in the MSIE program. Another three (3) hours of technical elective may be taken at the 5000 level as a substitute for any of the 3 courses specified in the core requirements for the BSIE. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.
6. Capstone Requirements
   None
7. Foreign Language Requirements
Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
   None
8. Electives
   None
9. Additional Requirements
   None
10. Required Minors
    None
11. Departmental Exit Requirements (4 hrs)
    EIN 4891C  Industrial Engineering Senior Design Project  4 hrs

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
   128
Total Combined Hours Required
   146
Honors In Major
   None
Related Programs
   None
Certificates
   None
Related Minors
   None
Advising Notes
   The following will be waived for this joint degree program:
   The limit of nine hours to be shared between undergraduate and graduate programs.
   Undergraduate students taking graduate courses must be within nine hours of graduation.

Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes
   None
Acceptable Substitutes for Transfer Courses
   None

Shared Courses
   Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link
   None

Program Academic Learning Compacts
   Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   Part-Time Student: $38 per term
   Full-Time Student: $77 per term

Mechanical Engineering - Accelerated

Undergraduate-Graduate Program (B.S.M.E. / M.S.M.E., M.S.M.S.E., M.S.A.E. or M.S.BM.E)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering, Room: 381
http://www.mae.ucf.edu
Dr. Jihua Gou, jihua.gou@ucf.edu, 407-823-2155
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-5014
Phone: 407-823-5448

Admission Requirements
   See Common Program Prerequisites.
   Qualified students may apply after completion of a minimum of 64 credit hours.
   Completion of no more than 96 credit hours.
   Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, MSAE or MSBM.E program.
   Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
   None
   1. UCF General Education Program (GEP)  (38 hrs)
      See Mechanical Engineering major in the Catalog for track specific GEP requirements
      A: Communication Foundations  (9 hrs)
      B: Cultural & Historical Foundations  (9 hrs)
      C: Mathematical Foundations  (7 hrs)
      D: Social Foundations  (6 hrs)
      E: Science Foundations  (7 hrs)
   2. Common Program Prerequisites (CPP)  (19 hrs)
      See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
      See Mechanical Engineering major in the Catalog for CPP requirements.
   3. Core Requirements: Basic Level  (2 hrs)
      EGS 1006C  Introduction to the Engineering Profession  1 hr
      EGN 1007C  Engineering Concepts and Methods  1 hr
### 4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer I</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EML 4225</td>
<td>Introduction to Vibrations and Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Design and Analysis of Machine Components</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select 2 of the Following: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems or</td>
<td>3</td>
</tr>
<tr>
<td>EML 4143</td>
<td>Heat Transfer II or</td>
<td>3</td>
</tr>
<tr>
<td>EML 4313</td>
<td>Intermediate System Dynamics and Controls</td>
<td>3</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
<td>3</td>
</tr>
<tr>
<td>EML 4504</td>
<td>Design &amp; Analysis of Machine Components II</td>
<td>3</td>
</tr>
</tbody>
</table>

### Select 1 of the Following: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4301C</td>
<td>Mechanical Systems Lab or</td>
<td>3</td>
</tr>
<tr>
<td>EML 4306C</td>
<td>Energy Systems Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

**Approved Electives** 18 hrs

- Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

### 6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
<td>3</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements (6 hrs)

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Undergraduate Hours Required

- 128

### Total Combined Hours Required

- 146
Accelerated Undergraduate-Graduate Programs

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
- Admission to the university must also be completed by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.0.
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or higher in each course.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)
   A: Communication Foundations
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

Select 1: (3 hrs)
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I

Select 1: (3 hrs)
- SOW 3104 Human Behavior and the Social Environment I or
- DEP 2004 Developmental Psychology

Select 1: (3 hrs)
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (57 hrs)
   Any variation from the following must be approved by the College of Nursing.

   1 NUR 3065 Health Assessment 2 hrs
   1 NUR 3065L Health Assessment Lab 1 hr
   1 NUR 3028 Essentials of Nursing Practice 3 hrs
   1 NUR 3028L Essentials of Nursing Practice Lab 1 hr
   1 NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   1 NUR 3616 Health Promotion Across the Lifespan 2 hrs
   1 NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
   1 NUR 3125 Pathophysiology for Nursing Practice 3 hrs
   1 NUR 3145 Pharmacology for Nursing Practice 3 hrs
   1 NUR 3225 Nursing Care of the Adult I 3 hrs
   1 NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
   1 NUR 3816 Professional Nurse Seminar 1 hr
   1 NUR 3445 Nursing Care of Families 4 hrs
   1 NUR 3445L Nursing Care of Families Clinical 2 hrs
   1 NUR 3167 Accelerated Nursing Research Seminar 1 hr
   1 NUR 4227 Nursing Care of the Adult II 4 hrs
   1 NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
   1 NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
   1 NUR 4257 Introduction to Critical Care Nursing 3 hrs
   1 NUR 4945L Nursing Practicum 4 hrs
   1 NUR 4533 Psychiatric Mental Health Nursing 3 hrs
   1 NUR 4533L Psychiatric Mental Health Clinical 2 hrs
   1 NUR 4637 Public Health Nursing 3 hrs
   1 NUR 4637L Public Health Nursing Clinical 1 hr

   1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
   Nursing Elective 3 hrs
   - Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
   None

7. Foreign Language Requirements
   None

8. Electives
   None

9. Additional Requirements
   - Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
   - Complete all courses in major with at least a “C” (2.0) or “S” grade when appropriate.
   - Maintain a UCF GPA of 2.5 or above
   - Maintain a College of Nursing GPA of 2.5 or above
10. Required Minors
   - None

11. Departmental Exit Requirements
   - Completion of all courses in major with a grade of "C" (2.0) or better
   - UCF GPA of 2.5 or above
   - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 60

Honors in Major
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
- Health Services Administration
- Social Work

Certificates
- None

Related Minors
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Nursing courses and prerequisite courses transferred from private and out-of-state schools must be evaluated for equivalency credit and approved by the College of Nursing. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites may be acceptable if taken prior to transferring to UCF. Courses must be petitioned to the College of Nursing if not automatically approved.
  - General Psychology (PSY X012) or a General Psychology course (3 hrs)
  - General Sociology (SYG 2000) or an Intro to Sociology course (3 hrs)
  - Statistics (STA 2014C or 2023) or a Statistics course (3 hrs)
  - General Chemistry (CHM 1032 or another approved chemistry course (3 hrs) or approved science course (3 hrs)
  - Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086) or an A&P I &II (8 hrs)
  - General Microbiology (MCB 3020C) (MCB X010C) w/lab or a Microbiology course w/lab. (4 hrs)
  - Developmental Psychology (DEP 2004C) or a Human Growth & Development Across Life Span (3 hrs)
  - Human Nutrition (HUN3011 or 2202 or 2201) or a Human Nutrition course (3 hrs)

Shared Courses
- None

Graduate Courses Link
- None

---

Accelerated Undergraduate-Graduate Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)

College of Nursing
- UTWR, Room: 3rd floor
- Email: ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program culminating in the Bachelor’s degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor’s degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003L.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at [http://www.nursing.ucf.edu/](http://www.nursing.ucf.edu/) for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida College System institution.
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
Accelerated Undergraduate-Graduate Programs

The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.

UCF Residency Requirement: 30 hours

The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.

The MSN is awarded after completion of graduate program.

The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer SPC 2023 Pre-Calculus 3 hrs
- Prefer STA 2043 Calculus 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - SYG 2000 Introduction to Sociology or 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or 3 hrs
- Prefer POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (7 hrs)
- Suggested BSC 2010C Biology I 4 hrs
- 1 Required CHM 1032 General Chemistry 3 hrs
- 1 or other approved science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011), Physiology, and Microbiology.

2. Common Program Prerequisites (CPP) (18 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MCB 2004C Microbiology for Health Professionals 4 hrs
1 Required CHM 1032 General Chemistry 3 hrs
2 ZOO Human Anatomy 4 hrs
3 PCB 3703C Human Physiology 4 hrs
3 HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
- 2 STA 2014C Principles of Statistics or 3 hrs
- 2 STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004 Developmental Psychology 3 hrs

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of six-eight total credits.
3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs

NURSE EDUCATOR / CLINICAL NURSE (12 hrs)

LEADER TRACKS
- Take the following 12 credits (nine graduate credits also applied to MSN)
  - NGR 5003 Advanced Health Assessment and Diagnostics 3 hrs
  - NGR 5003L Advanced Health Assessment and Diagnostics (Lab) 1 hr
  - NGR 5141 Pathophysiological Bases for Advanced Nursing Practice 3 hrs
  - NUR 4628 Nursing Leadership, Management and Role 3 hrs
  - NUR 5800 Theory for Advanced Practice Nursing 3 hrs

NURSING LEADERSHIP & MANAGEMENT (12 hrs)

TRACK
- Takes the following 12 credits (nine graduate credits also applied to MSN)
  - NUR 4535L Advanced Health Assessment and Diagnostic Reasoning 3 hrs
  - NUR 4535 Advanced Health Assessment and Diagnostic Reasoning (Lab) 1 hr
  - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
  - NUR 3225 Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3165 Nursing Care of the Adult II 3 hrs
  - NUR 3165L Nursing Care of the Adult II: Clinical Practice 2 hrs
  - NUR 3616 Health Promotion Across the Lifespan 2 hrs
  - NUR 3616L Health Promotion Across the Lifespan (Lab) 1 hr

1 On campus attendance required.

5. Restricted Electives

Upper Division Credit (29 hrs)
- May be met by validation and RN License.
  - NUR 3028 Essentials of Nursing Practice 3 hrs
  - NUR 3028L Essentials of Nursing Practice Lab 1 hr
  - NUR 3225 Nursing Care of the Adult I 3 hrs
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs
  - NUR 3445L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 4227 Nursing Care of the Adult II 4 hrs
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  - NUR 4535L Advanced Health Assessment and Diagnostic Reasoning 3 hrs
  - NUR 4535L Advanced Health Assessment and Diagnostic Reasoning (Lab) 1 hr
  - NUR 4637 Public and Community Health Nursing 3 hrs
  - NUR 4637L Public and Community Health Nursing (Lab) 1 hr

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation
- None

9. Additional Requirements

A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors

None

11. Departmental Exit Requirements

Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
(B.A. / B.S. to J.D.)

College of Health and Public Affairs
Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andreas School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
- Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
- Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements, all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
- Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.
- Participating students may elect to complete their UCF bachelor's degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor's degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor's degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor's degree. Students decelerating to UCF back into the Legal Studies B.A./B.S. degree program. Students decelerating to UCF are bound by the UCF catalog requirements applicable to the year the student first entered UCF. For students passing some, but not all, of their required first year classes at Barry or Touro, classes successfully completed with a grade of "C" (2.0) or better will transfer back to UCF towards the successful completion of the student's electives needed for graduation.
- Only courses with grades of "C" (2.0) or better can be transferred to UCF's legal studies' program of study.
- Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements.
- Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None

3. Core Requirements: Basic Level
   - None
Accelerated Undergraduate-Graduate Programs

4. Core Requirements: Advanced Level (18 hrs)
   - All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   - PLA 3014 Law and the Legal System 3 hrs
   - PLA 3108 Legal Research 3 hrs
   - PLA 3155 Legal Writing 3 hrs
   - PLA 3205 Civil Practice and Procedure 3 hrs
   - PLA 3615 Property and Real Estate Law 3 hrs
   - PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (30 hrs)
   - Upper Division Restricted Electives 21 hrs
     - 21 additional hours of Legal Studies coursework selected in consultation with an advisor
   - Supporting Courses 9 hrs
     - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete fifteen hours of supporting courses chosen with the approval of the student’s advisor.
   - Capstone Requirements (3 hrs)
     - Capstone must be completed with a minimum grade of “C” (2.0) to satisfy the major.
     - PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).
   - Electives
     - If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
   - Students in the accelerated program will complete the following courses in their first year at either Barry or Touro Law:

Barry Law School:

Fall Semester
- LAW 5307 Contracts I 3 hrs
- LAW 5101 Civil Procedure I 3 hrs
- LAW 5228 Property I 3 hrs
- LAW 5109 Torts I 3 hrs
- LAW 5010 Legal Research and Writing I 3 hrs

Spring Semester
- LAW 5407 Contracts II 3 hrs
- LAW 5201 Civil Procedure II 2 hrs
- LAW 5328 Property II 2 hrs
- LAW 5209 Torts II 2 hrs
- LAW 5020 Legal Research and Writing II 3 hrs
- LAW 5106 Criminal Law 3 hrs

Touro Law School

Fall Semester
- LAW 643 Legal Process I 3 hrs
- LAW 671 Civil Dispute Resolution and Procedure I 3 hrs
- LAW 610 Contracts I 3 hrs
- LAW 615 Torts I 3 hrs
- LAW 617 Criminal Law I 3 hrs

Spring Semester
- LAW 633 Legal Process II 3 hrs
- LAW 672 Civil Dispute Resolution and Procedure II 3 hrs
- LAW 611 Contracts II 3 hrs
- LAW 628 Torts II 3 hrs
- LAW 631 Property I 3 hrs

11. Departmental Exit Requirements
   - For the accelerated program, the degree is awarded after successful completion of the first year of law school at either Barry or Touro Law and completion of all UCF requirements. All course work must be at the “C” (2.0) level or higher for transfer purposes.
   - The accelerated program student must have completed all of the UCF General Education Program Requirements, all requirements for the Legal Studies Major, and a minimum of 90 combined credit hours of work at UCF before matriculating to law school under this program.
   - Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.
   - For students decelerating to the 4 year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honor in Major
- None

Related Programs
- Criminal Justice
- History
- Political Science
- English - Pre-Law Track

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
The University offers four specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the articulated A.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

Students who do not have the new A.S. should complete their general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

4. Core Requirements: Advanced Level

BUL 3130  Legal and Ethical Environment of Business  3 hrs
PLA 3014  Law and the Legal System  3 hrs
ENC 3241  Writing for the Technical Professional or  3 hrs
ENC 3250  Professional Writing  3 hrs
MAN 3025  Management of Organizations or  3 hrs
PAD 4104  Administrative Theory  3 hrs

5. Restricted Electives

None

Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director (407-823-2609), or the College of Undergraduate Studies (407-823-2372).

Degree Requirements

- Students must earn a “C” (2.0) or better in each course used to satisfy the BAS requirements in the core, track, and elective sections (sections 3, 5, and 8 below)
- Students must earn 42 semester hours of upper level credit.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

1. UCF General Education Program (GEP)  (36 hrs)

- Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
C: Mathematical Foundations  (6 hrs)
D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)

2. Core Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level  (9 hrs)

Select 1:

BUL 3130  Legal and Ethical Environment of Business or  3 hrs
PLA 3014  Law and the Legal System  3 hrs

Select 2:

ENC 3241  Writing for the Technical Professional or  3 hrs
ENC 3250  Professional Writing  3 hrs

Select 3:

MAN 3025  Management of Organizations or  3 hrs
PAD 4104  Administrative Theory  3 hrs

4. Core Requirements: Advanced Level

- None

5. Restricted Electives

- Area of Concentration (Choose one)
- All tracks are not available at all locations.
Articulated A.S. Programs

Criminal Justice Track 33 hrs

Take all of the following: 21 hrs
- CCJ 3024 Criminal Justice System and 3 hrs
- CCJ 3014 Crime in America and 3 hrs
- CJL 3510 Prosecution and Adjudication and 3 hrs
- CJ 3010 Corrections and Penology and 3 hrs
- CJ 4014 Police and Society and 3 hrs
- CCJ 4701 Research Methods in Criminal Justice and 3 hrs
- CCJ 4746 Data Analysis for Criminal Justice 3 hrs

Select 4: 12 hrs
Twelve additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor.

Legal Studies Track 18 hrs

Take all of the following: 6 hrs
- PLA 3014 Law and the Legal System and 3 hrs
- PLA 3108 Legal Research 3 hrs

Select 4: 12 hrs
- PLA 3155 Legal Writing or 3 hrs
- PLA 3205 Civil Practice and Procedure or 3 hrs
- PLA 3277 The Law of Torts or 3 hrs
- PLA 3309 Criminal Procedure or 3 hrs
- PLA 4424 The Law of Contracts or 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs

Health Services Administration 18 hrs

Take all of the following: 15 hrs
- HSA 3111 U.S. Health Care Systems and 3 hrs
- HSC 4201 Community Health and 3 hrs
- HSA 4180 Organization & Management for Health Agencies I and 3 hrs
- HSA 4191 Fundamentals of Health Information Technology and 3 hrs
- HSC 4500 Epidemiology 3 hrs

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or 3 hrs
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or 3 hrs
- HSA 4702 Health Sciences Research Methods or 3 hrs
- HIM 4508C Quality Management 3 hrs

Information Technology Track 21 hrs

Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.

Take all of the following: 21 hrs
- CET 3363 Applied Systems Analysis I and 3 hrs
- CET 4427 Applied Database I and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CET 4748 Wide Area Networks I and 3 hrs
- CET 4749 Wide Area Networks II and 3 hrs
- CET 4663 Computer and Network Security and 3 hrs
- CET 4483 Intro to Local Area Network Technology 3 hrs

Software Development Track 21 hrs

Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&EA), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.

Take all of the following: 21 hrs
- CCP 3330 Object Oriented Programming and 3 hrs
- CEN 3024 Software Development I and 3 hrs
- CEN 4025 Software Development II and 3 hrs
- CEN 4910 Software Development Project and 3 hrs
- ETI 4448 Applied Project Management and 3 hrs
- CEN 4802 Software Integration, Configuration, and Testing and 3 hrs
- CEN 4333 Advanced Database Development 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - As required to complete upper level credit hour requirements.
   - Consult with Program Advisor.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
    - 120

Honors In Major
    - None

Related Programs
    - None

Certificates
    - None

Related Minors
    - Consult Program Advisor.

Advising Notes
    - Students may use 3 hours of internship as a part of the upper division requirements.

Transfer Notes
    - Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
    - Lower division courses do not substitute for upper division courses.
    - Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
    - None

Plan of Study
    - None

Program Academic Learning Compacts
    - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm
Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.
- Degree Requirements
  - Students who change degree programs and select this major must adopt the most current catalog.
  - The courses designated in section 1 below may be taken at a Florida College System institution.
  - Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
     A: Communication Foundations
     B: Cultural & Historical Foundations
     C: Mathematical Foundations
     D: Social Foundations
     E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program
   - See "Common Prerequisites" in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJS 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs
   - CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
   - 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor.
   - These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Graduation
- None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies
- Certificates
  - Crime Analysis and Crime Mapping
  - Criminal Profiling
  - Security Management
  - Crime Scene Investigation
  - Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
Email: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.
- Course work will be comprised of 18 hours of general education courses and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study.
Articulated A.S. Programs

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   MAC 1105C College Algebra GEP
   Select 1: 3 hrs
   CGS 2100C Computer Fundamentals for Business or GE
   STA 2023 Statistical Methods I GEP
   Select 1: 3 hrs
   ECO 2013 Principles of Macroeconomics or GEP
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (36 hrs)
   Hospitality Management Core 27 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
   HFT 3940 Internship I 1 hr
   HFT 4841 Internship II 1 hr
   HFT 4944 Internship III 1 hr
   Select 3 9 hrs
   HFT 3700 Tourism Management or 3 hrs
   HFT 3273 Principles of Resort Timesharing or 3 hrs
   HFT 4755 Theme Park and Attraction Management or 3 hrs
   HFT 4277 Club Management 3 hrs

5. Restricted Electives (15 hrs)
- Students should select 15 credit hours from the list of Restricted Electives in the Hospitality Management B.S. degree, or select one of the Specialized Tracks.

6. Capstone Requirements
- None

7. Foreign Language Requirements
     Admissions
- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 124

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3700 Tourism Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 4755 Theme Park and Attraction Management or 3 hrs
- HFT 4277 Club Management 3 hrs
- HFT 3940 Internship I 1 hr
- HFT 4841 Internship II 1 hr
- HFT 4944 Internship III 1 hr
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs
- HFT 3300 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP
- MAC 1105C College Algebra GEP
- CGS 2100C Computer Fundamentals for Business or GE
- STA 2023 Statistical Methods I GEP
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

Plan of Study
- Junior Year - Fall
  - General Education Requirement I 3 hrs
  - General Education Requirement II 3 hrs
  - General Education Requirement III 3 hrs
  - General Education Requirement IV 3 hrs
  - General Education Requirement V 3 hrs
  - Hospitality Industry Financial Accounting 3 hrs
  - HFT 3940 Guest Services Management I 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - HFT 3300 Hospitality Communications 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
  - ECO 2013 Principles of Macroeconomics or GEP
  - ECO 2023 Principles of Microeconomics GEP
- Junior Year - Spring
  - General Education Requirement VI 3 hrs
  - Sectoral Studies 3 hrs
  - Hospitality Restricted Elective 3 hrs
  - HFT 3940 Guest Services Management I 3 hrs
  - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
  - HFT 3444 Hospitality Information Systems 3 hrs
  - HFT 3300 Hospitality Communications 3 hrs
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4468 Revenue Management in the Hospitality Industry 3 hrs
  - ECO 2013 Principles of Macroeconomics or GEP
  - ECO 2023 Principles of Microeconomics GEP

Junior Year - Summer
- 7 hrs
- HFT 4941 Internship II 1 hr
- Sectoral Studies 3 hrs
- Hospitality Restricted Elective 3 hrs
Articulated A.S. Programs

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Dean
Dr. Maureen Covelli, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Admission to the University must be completed by the program application deadline.
- All applicants must have a minimum overall undergraduate GPA of 2.8.
- All applicants must have completed a Statewide Articulated AS in Nursing from a Florida College System institution (graduation 12/00 or later). Individuals who received an AS in Nursing prior to 12/00 or attended a nursing school other than a Florida College System or State University System institution should review the Nursing - RN to BSN Program.
- All applicants must have current Licensure as an RN.
- All applicants must have completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline with at least a grade of “C” (2.0) or better in each course.
- All 8 prerequisite courses must be completed before program begins.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding completion of General Education Program requirements and Common Program Prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours
- The courses designated in sections 1) UCF General Education Program (GEP) and 7) Foreign Language Requirements must be completed prior to enrolling in the third semester in the BSN program. Students may have no more than 9 hours of outstanding coursework in these two areas at the time of admission.

1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Required SPC 1606 Fundamentals of Oral Communication</td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

Select 1:

- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I
- MCB 2004C Microbiology for Health Professionals
- PCB 3703C Human Physiology
- ZOO 3733C Human Anatomy

Select 2:

- SOW 3104 Human Behavior and the Social Environment I or DEP 2004 Developmental Psychology
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology

Select 1 or 2

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (56 hrs)

<table>
<thead>
<tr>
<th>UCF Core</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3805 Dimensions of Professional Nursing</td>
</tr>
<tr>
<td>NUR 3065 Health Assessment Practice</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
</tr>
<tr>
<td>NUR 3165S Nursing Research</td>
</tr>
<tr>
<td>NUR 3616 Health Promotion Across the Lifespan</td>
</tr>
<tr>
<td>NUR 4837 Health Care Issues, Policy, and Economics</td>
</tr>
<tr>
<td>NUR 4604L Practicum in Community and Public Health Nursing for RNs</td>
</tr>
</tbody>
</table>
Articulated A.S. Programs

NUR 4828 Nursing Leadership, Management and Role  3 hrs
NUR 4637 Public and Community Health Nursing  3 hrs
NUR 3125 Pathophysiology for Nursing Practice  3 hrs

Upper Division Credit  29 hrs
- May be met by validation and RN License
  NUR 3028 Essentials of Nursing Practice  3 hrs
  NUR 3028L Essentials of Nursing Practice Lab  1 hr
- Nursing Care of the Adult I: Clinical Practice
  NUR 3225L Nursing Care of the Adult I: Clinical Practice  2 hrs
- Nursing Care of the Adult II: Clinical Practice
  NUR 4227L Nursing Care of the Adult II: Clinical Practice  2 hrs
  NUR 4535 Psychiatric Mental Health Nursing  3 hrs
  NUR 4535L Psychiatric Mental Health Clinical  2 hrs
  NUR 3225 Nursing Care of the Adult I  3 hrs

5. Restricted Electives  (3 hrs)
NSP/NUR/NGR XXXX  Any one upper division nursing elective

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or
  one year of one foreign language in college (or equivalent proficiency exam) prior to third semester in the BSN program.
Graduation
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements
- A criminal background check and mandatory Drug Screening may be required prior to any clinical course and
  “on demand” for continuation in the program.
- Complete all courses in major with at least a “C” (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
- Prior to third semester in the BSN program: 1)
  complete general education requirements or A.A. from a Florida College System or State University System institution; and 2)
  complete foreign language admission requirement.
Other:
- Selected courses may be offered at various Orlando and Regional Campuses.
- All AS to BSN courses are available online. Some classes and labs are also available in person on select campuses. Clinical practice requirements are completed in the student’s home community. For more information visit http://www.nursing.ucf.edu.

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above
- This program must be completed in no more than seven years from enrollment in the first BSN course within Core Requirements.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- Contact Program Coordinator or HIM Advisor

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study  (30 hrs)
- assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
NUR 3805 Dimensions of Professional Nursing Practice  3 hrs
NUR 3125 Pathophysiology for Nursing Practice  3 hrs

Junior Year - Spring
NUR 3165 Nursing Research  3 hrs
NUR 3065 Health Assessment  2 hrs
NUR 3065L Health Assessment Lab  1 hr

Junior Year - Summer
NUR 4837 Health Care Issues, Policy, and Economics  3 hrs
NUR 4637 Public and Community Health Nursing  3 hrs

Senior Year - Fall
NUR 4828 Nursing Leadership, Management and Role  3 hrs
  Transition
NUR/NSP XXXX Nursing Elective  3 hrs

Senior Year - Spring
NUR 4604L Practicum in Community and Public Health for RNs  4 hrs
NUR 3616 Health Promotion Across the Lifespan  2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oead.ucf.edu/al/app/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

0-9999. Sub-collegiate level and not counted in meeting degree requirements.

1000-2999. Freshman- and sophomore-level courses and are designed primarily for these students.

3000-4999. Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and seniors.

5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

Florida’s Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Institutions are encouraged to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exceptions to the General Rule for Equivalency.
### Common Course Numbering System

#### Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.

B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.

C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.

D. Applied academics for adult education courses.

E. Graduate courses.

F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.

G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

#### Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled "Courses at Nonregionally Accredited Institutions" which contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkeway, Orlando, FL 32816, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

| ADE | Adult Education |
| ADV | Advertising |
| AEB | Agricultural Economics and Business |
| AEC | Agricultural Education and Communication |
| AEE | Agriculture and Extension Education |
| AER | Automotive Mechanics |
| AFA | African-American Studies |
| AFH | African History |
| AFR | Aerospace Studies |
| AFS | African Studies |
| AGR | Agronomy |
| AHM | Amharic Language |
| AHT | Amharic Culture in Translation or Translation Skills |
| AHW | Amharic Literature (Writings) |
| AKA | Asian History |
| AKT | Akan Culture in Translation or Translation Skills |
| AKW | Akan Literature (Writings) |
| ALS | Agriculture and Life Sciences |
| AMH | American History |
| AML | American Literature |
| AMS | American Studies |
| AMT | Aviation Maintenance Technology |
| ANG | Anthropology--Graduate |
| ANS | Animal Science |
| ANT | Anthropology |
| AOM | Agricultural Operations Management |
| APA | Applied Accounting |
| APK | Applied Kinesiology |
| ARA | Arabic Language |
| ARC | Architecture |
| ARD | Architectural Design |
| ARE | Art Education |
| ARH | Art History |
| ARR | Autobody Repair and Refinishing |
| ART | Art |
| ARV | Art, Vocational |
| ASC | Aviation Science: General |
| ASG | Animal Science: General |
| ASH | Asian History |
| ASL | American Sign Language |
| ASN | Asian Studies |
| AST | Astronomy |
| ATE | Animal Science Technology |
| ATE | Aviation Technology: Flight |
| ATR | Athletic Training |
| ATT | Aviation Technology: Theory |
| AVM | Aviation Management |
| AVS | Aviation |
| AVM | Ayamara Language |
| BAN | Commercial Banking (AIB Courses Only) |
| BCA | Building Construction Apprenticeships |
| BCC | Basic Clinical Clerkships (Required) |
| BCH | Biochemistry (Biophysical) |
| BCT | Building Construction Technology |
| BCO | Building Construction: Technology |
| BCA | Biomedical Engineering |
| BMS | Basic Medical Sciences |
| BOT | Botany |
| BRC | Banking Related Courses (Not AIB or IFE) |
| BSC | Biological Sciences |
| BTE | Business Teacher Education |
| BUH | Business Law |
| CAP | Computer Applications |
| CAS | Clinical Audiology and Speech Language Pathology (See SPA) |
| CAT | Catalan Language |
| CBH | Comparative Psychology and Animal Behavior |
| CCE | Civil Construction Engineering |
| CCL | Criminology and Criminal Justice |
| CDA | Computer Design/Architecture |
| CEG | Civil Geotechnical Engineering |
| CEN | Computer Software Engineering |
| CES | Civil Engineering Structures |
| CET | Computer Engineering Technology |
| CGN | Civil Engineering |
| CGS | Computer General Studies |
| CHD | Home Economics: Child Development |
| CHI | Chinese |
| CHM | Chemistry |
| CHR | Chiropractic |
| CHS | Chemistry - Specialized |
| CHT | Chinese Culture in Translation or Translation Skills |
| CHW | Chinese Literature (Writings) |
| CIS | Computer Science and Information Systems |
| CJB | College Level Application in Criminal Justice |
| CJC | Corrections |
| CJD | Criminal Justice Development |
| CJE | Law Enforcement |
| CJK | Juvenile Justice |
| CJK | Criminal Justice Basic Training |
| CJL | Law & Process |
| CJT | Criminal Justice Technologies |
| CLA | Classical and Ancient Studies |
| CLP | Clinical Psychology |
| CLT | Classical Culture in Translation or Translation Skills |
| CMC | Corporate Media Communication |
| CMM | Creek/Muskokee/Mikasuki |
| CNT | Computer Networks |
| KOA | Home Economics: Consumer Affairs |
| COE | Cooperative Education |
| COM | Communication |
| COP | Computer Programming |
| COS | Cosmetology |
| COT | Computing Theory |
| CPO | Comparative Politics |
| CPS | Comparative Policy Studies (Multinational) |
| CPT | Cardiopulmonary Technology - See CVT |
| CRW | Creative Writing |
| CSP | Cosmology - Specialized |
| CST | Comparative Studies |
| CTE | Home Economics: Clothing and Textiles |
| CTS | Computer Technology and Skills |
| CVT | Cardiovascular Technology |
| CWR | Civil Water Resources |
| CYP | Community Psychology |
| CZE | Czech Language |
| CZT | Czech Culture in Translation or Translation Skills |
| CZW | Czech Literature (Writings) |
| DAA | Dance, Emphasis On Activity |
| DAE | Dance Education |
| DAN | Dance |
| DAS | Dairy Science |
| DCP | Design, Construction and Planning |
| DEA | Dental Assisting |
| DEC | Marketing and Distributive Education |
| DEH | Dental Hygiene |
| DEM | Demography |
| DEN | Dentistry |
| DEP | Developmental Psychology |
| DES | Dental Support |
| DIE | Dietetics |
| DIG | Digital Media |
| DIM | Diesel, Hybrid, and Alternative Fuel Technology |
| DIS | Domestic Security |
| DTE | Dental Laboratory Technology |
| DUT | Dutch Language |
| EAB | Experimental Analysis Of Behavior |
| EAP | English as a Second Language for Academic Purposes |
| EAS | Aerospace Engineering |
| EBD | Education: Emotional/Behavioral Disorders |
| ECH | Engineering: Chemical |
| ECM | Engineering: Computer Math |
| ECO | Economics |
| ECP | Economic Problems & Policy |
| ECS | Economic Systems & Development |
| ECT | Education: Career/Technical |
| ECU | Education: Career/Workforce |
| EDA | Educational Administration |
| EDE | Education: Elementary |
| EDF | Education: Foundations and Policy Studies |
### Common Course Numbering System

<table>
<thead>
<tr>
<th>Department</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDG</td>
<td>Education: General</td>
<td>FOS Food Science</td>
</tr>
<tr>
<td>EDH</td>
<td>Education: Higher</td>
<td>FOT Foreign Languages (In Translation)</td>
</tr>
<tr>
<td>EDM</td>
<td>Education: Middle School</td>
<td>FOW Foreign Languages, Comparative Literature (Writings)</td>
</tr>
<tr>
<td>EDP</td>
<td>Educational Psychology</td>
<td>FRC Fruit Crops</td>
</tr>
<tr>
<td>EDS</td>
<td>Education Supervision</td>
<td>FRE French Language</td>
</tr>
<tr>
<td>EEC</td>
<td>Education: Early Childhood</td>
<td>FRT French Culture in Translation</td>
</tr>
<tr>
<td>EED</td>
<td>Education: Emotional Disorders - See EBD</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>EEE</td>
<td>Engineering: Electrical and Electronic</td>
<td>FRW French Literature (Writings)</td>
</tr>
<tr>
<td>EER</td>
<td>Electrical/Electronics Repair</td>
<td>FSE Funeral Services</td>
</tr>
<tr>
<td>EES</td>
<td>Environmental Engineering Science</td>
<td>FSS Food Service Systems</td>
</tr>
<tr>
<td>EET</td>
<td>Electronic Engineering Technology</td>
<td>FYC Family, Youth and Community</td>
</tr>
<tr>
<td>EEV</td>
<td>Electrical/Electronic: Vocational</td>
<td>GCO Golf Course Operations</td>
</tr>
<tr>
<td>EEX</td>
<td>Education: Exceptional Child - Core Competencies</td>
<td>GEO Geography: Systematic</td>
</tr>
<tr>
<td>EGC</td>
<td>Counselor Education</td>
<td>GER German</td>
</tr>
<tr>
<td>EGI</td>
<td>Education: Gifted</td>
<td>GET German Culture in Translation</td>
</tr>
<tr>
<td>EGM</td>
<td>Engineering: Science</td>
<td>GEW German Literature (Writings)</td>
</tr>
<tr>
<td>EGN</td>
<td>Engineering: General</td>
<td>GEY Gerontology</td>
</tr>
<tr>
<td>EGS</td>
<td>Engineering: Support</td>
<td>GFM Geophysical Fluid Dynamics</td>
</tr>
<tr>
<td>EHD</td>
<td>Education: Hard Of Hearing &amp; Deaf</td>
<td>GIS Geography: Information Science</td>
</tr>
<tr>
<td>EIA</td>
<td>Education: Industrial Arts</td>
<td>GLS Graduate General Studies</td>
</tr>
<tr>
<td>EIN</td>
<td>Industrial Engineering</td>
<td>GLY Geology</td>
</tr>
<tr>
<td>EIV</td>
<td>Education: Industrial/Vocational</td>
<td>GMS Graduate Medical Sciences</td>
</tr>
<tr>
<td>ELD</td>
<td>Education: Specific Learning Disabilities</td>
<td>GMT Modern Greek Culture in Translation</td>
</tr>
<tr>
<td>ELR</td>
<td>Prefix Discontinued. All Courses Reassigned</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>EMA</td>
<td>Materials Engineering</td>
<td>GMW Modern Greek Literature (Writings)</td>
</tr>
<tr>
<td>EMC</td>
<td>Engineering: Mechanical &amp; Chemical</td>
<td>GRA Graphic Arts</td>
</tr>
<tr>
<td>EME</td>
<td>Education: Technology and Media</td>
<td>GRE Classical Greek (Language Study)</td>
</tr>
<tr>
<td>EML</td>
<td>Engineering: Mechanical</td>
<td>GRG Graphic Arts - Graduate-Level</td>
</tr>
<tr>
<td>EMR</td>
<td>Education: Mental Retardation</td>
<td>GRK Modern Greek Language</td>
</tr>
<tr>
<td>EMS</td>
<td>Emergency Medical Services</td>
<td>GRW Classical Greek Literature (Writings)</td>
</tr>
<tr>
<td>ENC</td>
<td>English Composition</td>
<td>HAI Haitian Creole Language</td>
</tr>
<tr>
<td>ENG</td>
<td>English - General</td>
<td>HAT Haitian Culture in Translation</td>
</tr>
<tr>
<td>ENL</td>
<td>English Literature</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>ENS</td>
<td>English For Non-Native Speakers (College Lvl) Disc. - See EAP</td>
<td>HBR Modern Hebrew Language</td>
</tr>
<tr>
<td>ENT</td>
<td>Entrepreneurship</td>
<td>HBT Modern Hebrew Culture in Translation</td>
</tr>
<tr>
<td>ENU</td>
<td>Engineering: Nuclear</td>
<td>HBR Health-Care Providers (Assistants)</td>
</tr>
<tr>
<td>ENV</td>
<td>Engineering: Environmental</td>
<td>HEC Home Economics/Community</td>
</tr>
<tr>
<td>ENY</td>
<td>Entomology</td>
<td>HEE Home Economics Education</td>
</tr>
<tr>
<td>EOC</td>
<td>Ocean Engineering</td>
<td>HEV Home Economics - Vocational</td>
</tr>
<tr>
<td>EPR</td>
<td>Environmental &amp; Multiple Disabilities</td>
<td>HFT Hospitality Management</td>
</tr>
<tr>
<td>EPH</td>
<td>Education: Physical &amp; Multiple Handicapped</td>
<td>HHD Housing &amp; Home Design</td>
</tr>
<tr>
<td>EPI</td>
<td>Educator Preparation Institutes</td>
<td>HIM Health Information Management</td>
</tr>
<tr>
<td>ESC</td>
<td>Earth Science</td>
<td>HIN Hindi Language</td>
</tr>
<tr>
<td>ESS</td>
<td>Education: Secondary</td>
<td>HIS General History and Historiography</td>
</tr>
<tr>
<td>ESI</td>
<td>Industrial/Systems Engineering</td>
<td>HIT Hindi Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>ESL</td>
<td>College-Prep English For Non-Native Speakers (Disc. - See EAP)</td>
<td>HGW Hindi Literature (Writings)</td>
</tr>
<tr>
<td>EST</td>
<td>Electronic Specialty Technology</td>
<td>HLP Health/Leisure/Physical Education</td>
</tr>
<tr>
<td>ETB</td>
<td>Engineering Technology: Civil</td>
<td>HME Home Economics: Home Management and Equipment</td>
</tr>
<tr>
<td>ETD</td>
<td>Engineering Technology: Drafting</td>
<td>HMH Hospitality Management Graduate</td>
</tr>
<tr>
<td>ETE</td>
<td>Education: Technology Education</td>
<td>HMB Hospitality Management, Vocational</td>
</tr>
<tr>
<td>ETG</td>
<td>Engineering Technology: General</td>
<td>HMW Modern Hebrew Literature (Writings)</td>
</tr>
<tr>
<td>ETI</td>
<td>Engineering Technology: Industrial</td>
<td>HNG Hungarian Language</td>
</tr>
<tr>
<td>ETM</td>
<td>Engineering Technology: Mechanical</td>
<td>HNT Hungarian Culture in Translation</td>
</tr>
<tr>
<td>ETV</td>
<td>Electromedigenetics</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>ETP</td>
<td>Engineering Technology: Power</td>
<td>HNW Hungarian Literature (Writings)</td>
</tr>
<tr>
<td>ETS</td>
<td>Engineering Technology: Specialty</td>
<td>HOE Home Economics: General</td>
</tr>
<tr>
<td>EUS</td>
<td>European Studies</td>
<td>HOS Horticultural Sciences</td>
</tr>
<tr>
<td>EVI</td>
<td>Education: Visually Impaired-Blind</td>
<td>HPS History and Philosophy of Science</td>
</tr>
<tr>
<td>EVR</td>
<td>Environmental Studies</td>
<td>HRD Human Resources Development (Disc. - See EY)</td>
</tr>
<tr>
<td>EVS</td>
<td>Environmental Science</td>
<td>ICM International Construction Management</td>
</tr>
<tr>
<td>EVT</td>
<td>Education: Vocational/Technical</td>
<td>ICW Icelandic Literature</td>
</tr>
<tr>
<td>EXP</td>
<td>Experimental Psychology</td>
<td>IDS Interdisciplinary Studies</td>
</tr>
<tr>
<td>FAD</td>
<td>Home Economics: Family Development</td>
<td>IDT Indonesian Culture in Translation</td>
</tr>
<tr>
<td>FAM</td>
<td>Fashion Modeling</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>FAP</td>
<td>Fishery &amp; Aquacultural Science</td>
<td>IDW Indonesian Literature (Writings)</td>
</tr>
<tr>
<td>FES</td>
<td>Fish and Emergency Services</td>
<td>IEA Industrial Education Applied (Disc.)</td>
</tr>
<tr>
<td>FFP</td>
<td>Fire Fighting &amp; Protection</td>
<td>IFS Interdisciplinary Florida State University Courses</td>
</tr>
<tr>
<td>FIL</td>
<td>Film</td>
<td>IHS Interdisciplinary Health Sciences</td>
</tr>
<tr>
<td>FIN</td>
<td>Finance</td>
<td>IND Interior Design</td>
</tr>
<tr>
<td>FLE</td>
<td>Foreign Language Education</td>
<td>INP Industrial and Applied Psychology</td>
</tr>
<tr>
<td>FNR</td>
<td>Forestry &amp; Natural Resources</td>
<td>INR International Relations</td>
</tr>
<tr>
<td>FOL</td>
<td>Foreign Languages</td>
<td>INS International Studies</td>
</tr>
<tr>
<td>FOR</td>
<td>Forestry</td>
<td>INT Sign Language Interpreting</td>
</tr>
<tr>
<td>FOT</td>
<td>Foreign Languages</td>
<td>IPM Integrated Pest Management</td>
</tr>
<tr>
<td>FOW</td>
<td>Foreign Languages, Comparative Literature (Writings)</td>
<td>ISC Interdisciplinary Science</td>
</tr>
<tr>
<td>FRC</td>
<td>Fruit Crops</td>
<td>ISM Information Systems Management</td>
</tr>
<tr>
<td>FRE</td>
<td>French Language</td>
<td>ISS Interdisciplinary Social Sciences</td>
</tr>
<tr>
<td>FRT</td>
<td>French Culture in Translation</td>
<td>ITA Italian Language</td>
</tr>
<tr>
<td>FSS</td>
<td>Food Service Systems</td>
<td>ITT Italian Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>FUC</td>
<td>Family, Youth and Community</td>
<td>IUF Interdisciplinary University of Florida Courses</td>
</tr>
<tr>
<td>GCO</td>
<td>Golf Course Operations</td>
<td>JOU Journalism</td>
</tr>
<tr>
<td>GEA</td>
<td>Geography: Regional Areas</td>
<td>JPN Japanese</td>
</tr>
<tr>
<td>GEB</td>
<td>General Business</td>
<td>JPT Japanese Culture in Translation</td>
</tr>
<tr>
<td>GEO</td>
<td>Geography: Systematic</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>GER</td>
<td>German</td>
<td>JPN Japanese Literature (Writings)</td>
</tr>
<tr>
<td>GER</td>
<td>German</td>
<td>JST Jewish/Judaic Studies</td>
</tr>
<tr>
<td>GFT</td>
<td>Gifted</td>
<td>KOR Korean Language</td>
</tr>
<tr>
<td>GKE</td>
<td>German</td>
<td>KOT Korean Culture in Translation</td>
</tr>
<tr>
<td>GLE</td>
<td>German</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>GLS</td>
<td>Graduate General Studies</td>
<td>LAW Law</td>
</tr>
<tr>
<td>GLY</td>
<td>Geology</td>
<td>LBS Labor Studies</td>
</tr>
<tr>
<td>GMS</td>
<td>Graduate Medical Sciences</td>
<td>LDE Landscape Design</td>
</tr>
<tr>
<td>GMT</td>
<td>Modern Greek Culture in Translation</td>
<td>LDR Leadership Studies</td>
</tr>
<tr>
<td>GMI</td>
<td>Graduate Medical Sciences</td>
<td>LEI Leisure</td>
</tr>
<tr>
<td>GMW</td>
<td>Modern Greek Literature (Writings)</td>
<td>LGL Lingala Language</td>
</tr>
<tr>
<td>GNO</td>
<td>Greek Literature (Writings)</td>
<td>LGT Lingual Culture in Translation</td>
</tr>
<tr>
<td>GRK</td>
<td>Modern Greek Language</td>
<td>or Translation Skills</td>
</tr>
<tr>
<td>GRW</td>
<td>Classical Greek Literature (Writings)</td>
<td>LGW Lingual Culture (Writings)</td>
</tr>
<tr>
<td>HAI</td>
<td>Haitian Creole Language</td>
<td>LIN Linguistics</td>
</tr>
<tr>
<td>HAT</td>
<td>Haitian Culture in Translation</td>
<td>LIS Library and Information Studies</td>
</tr>
<tr>
<td>HBR</td>
<td>Modern Hebrew Language</td>
<td>LTD Literature</td>
</tr>
<tr>
<td>HBT</td>
<td>Modern Hebrew Culture in Translation</td>
<td>LNW Latin Language (Writings)</td>
</tr>
<tr>
<td>HBR</td>
<td>Modern Hebrew Language</td>
<td>MAA Mathematics - Analysis</td>
</tr>
<tr>
<td>HBW</td>
<td>Modern Hebrew Literature (Writings)</td>
<td>MAC Mathematics - Calculus and Pre calculus</td>
</tr>
<tr>
<td>HCS</td>
<td>Haitian Culture - See HBR</td>
<td>MAD Mathematics - Discrete</td>
</tr>
<tr>
<td>HCT</td>
<td>Haitian Culture - See HBR</td>
<td>MAE Mathematics Education</td>
</tr>
<tr>
<td>HDF</td>
<td>Hindi Language</td>
<td>MAG Mechanized Agriculture</td>
</tr>
<tr>
<td>HED</td>
<td>Hindi Education - See HBR</td>
<td>(Disc. - See AOM)</td>
</tr>
<tr>
<td>HEC</td>
<td>Home Economics/Community</td>
<td>MAN Management</td>
</tr>
<tr>
<td>HEE</td>
<td>Home Economics Education</td>
<td>MAP Mathematics Applied</td>
</tr>
<tr>
<td>HEV</td>
<td>Home Economics - Vocational</td>
<td>MAR Marketing</td>
</tr>
<tr>
<td>HFT</td>
<td>Hospitality Management</td>
<td>MAS Mathematics - Algebraic Structures</td>
</tr>
<tr>
<td>HHD</td>
<td>Housing &amp; Home Design</td>
<td>MAT Mathematics</td>
</tr>
<tr>
<td>HIM</td>
<td>Health Information Management</td>
<td>MCB Microbiology</td>
</tr>
<tr>
<td>HIN</td>
<td>Hindi Language</td>
<td>MCE Special Topics in Mass Communication</td>
</tr>
<tr>
<td>HIS</td>
<td>General History and Historiography</td>
<td>MDC Medicine Clinical Clerkships</td>
</tr>
<tr>
<td>HIT</td>
<td>Hindi Culture in Translation or Translation Skills</td>
<td>MDE Medical Electives</td>
</tr>
<tr>
<td>HGW</td>
<td>Hindi Literature (Writings)</td>
<td>MDI Medical Internships</td>
</tr>
<tr>
<td>HLC</td>
<td>Hindi Literature (Writings)</td>
<td>MDR Medical Research</td>
</tr>
<tr>
<td>HLP</td>
<td>Health/Leisure/Physical Education</td>
<td>MDS Medical Selectives</td>
</tr>
<tr>
<td>HME</td>
<td>Home Economics: Home Management and Equipment</td>
<td>MDT Special Topics, Elected Topics</td>
</tr>
<tr>
<td>HNW</td>
<td>Hungarian Literature (Writings)</td>
<td>MDU Undergraduate Medicine Courses</td>
</tr>
<tr>
<td>HNG</td>
<td>Hungarian Language</td>
<td>MDW Midwifery</td>
</tr>
<tr>
<td>HNT</td>
<td>Hungarian Culture in Translation</td>
<td>MDX Medical Extremists</td>
</tr>
<tr>
<td>HOP</td>
<td>Hungarian Culture in Translation</td>
<td>MFA Medical Assisting Technology</td>
</tr>
<tr>
<td>HOS</td>
<td>Horticultural Sciences</td>
<td>MEL Medical Science Electives</td>
</tr>
<tr>
<td>HPS</td>
<td>History and Philosophy of Science</td>
<td>MEM Medieval and Early Modern Studies</td>
</tr>
<tr>
<td>HRD</td>
<td>Human Resources Development</td>
<td>MET Meteorology</td>
</tr>
<tr>
<td>HSH</td>
<td>Home Economics: General</td>
<td>MGF Mathematics - General and Finite</td>
</tr>
<tr>
<td>ICM</td>
<td>International Construction Management</td>
<td>MHP Mathematics - History and Foundations</td>
</tr>
<tr>
<td>ICW</td>
<td>Icelandic Literature</td>
<td>MHS Mental Health Services</td>
</tr>
<tr>
<td>IDS</td>
<td>Interdisciplinary Studies</td>
<td>MIS Military Science</td>
</tr>
<tr>
<td>IDT</td>
<td>Indonesian Culture in Translation</td>
<td>MKA Marketing Applications</td>
</tr>
</tbody>
</table>
Common Course Numbering System

UNIVERSITY OF CENTRAL FLORIDA

MLS Medical Laboratory Science
MLT Medical Laboratory Technology
MMC Mass Media Communication
MNA Management: Applied
MOB Molecular Biophysics
MOM Motorcycle Mechanics
MRE Medical Records (Disc. - See HIM)
MSL Military Science and Leadership
MSA Massage
MTB Mathematics - Technical and Business
MTE Marine Technology and Nautical Science
MTG Mathematics - Topology and Geometry
MTS Medical Transcription Science
MUC Music: Composition
MUE Music Education
MUG Music: Conducting
MUH Music: History/Musicology
MUL Music Literature
MUN Music Commercial/Management/Administration
MUN Music Ensembles
MUO Music: Opera/Musical Theatre
MUR Music: Church
MUS Music
MUT Music: Theory
MUY Music: Therapy
MVB Applied Music: Brasses
MWH Historical Instruments
MVJ Applied Music: Jazz
MVK Applied Music: Keyboard
MVO Applied Music: Other
MVP Applied Music: Percussion
MVS Applied Music: Strings
MVF Applied Music: Voice
MVW Applied Music: Woodwinds
NEM Nematology
NGR Nursing, Graduate
NMT Nuclear Medicine Technology
NSC Naval Science
NSP Nursing: Special
NUR Nursing, Generic Undergraduate
OCA Office Computer Applications
OCB Biological Oceanography
OCC Chemical Oceanography
OCE General Oceanography
OCG Geological Oceanography
OCP Physical Oceanography
OPT Occupational Office Technology (Disc.)
OPT Orthoptic Technology/Vision Care
ORH Ornamental Horticulture
ORI Oral Interpretation
ORV Ornamental Horticulture (Variable Paced)
OSE Optical Science and Engineering
OST Office Systems Technology
OTA Office Technology Applications
OTH Occupational Therapy
PAD Public Administration
PAB Public Affairs
PAS Physician Assistant
PAX Peace Studies
PAZ Parks and Zoos
PCB Process Biology
(Or Cellular/Genetics/Physiology)
PCO Psychology For Counseling
PEL Phys. Educ. (Gen.)-Object Centred, Land
PEM Phys. Educ. (Gen.)-Perform. Centred., Land (Revised)
PEN Phys. Educ. Activities (Gen.)-Water, Snow, Ice
PET Physical Education Theory
PGT Photography
PHA Pharmacy
PHC Public Health Concentration
PHH Philosophy, History Of
PHI Philosophy
PHM Philosophy Of Man and Society
PHP Philosophers and Schools
PHT Physical Therapy
PHY Physics

PHZ Physics (Continued)
PKG Packaging Sciences
PLA Paralegal/Legal Assistant/Legal Administration
PLP Plant Pathology
PLS Plant Science
PLT Polish Culture in Translation or Translation Skills
PSB Psychobiology
FSC Physical Sciences
PSG Polysciology
PSN Persian Language
PST Persian Culture in Translation or Translation Skills
PSW Persian Literature (Writings)
PTA Precision Technology Apprenticeships
PTN Pharmacy Technician
PUP Public Policy
PUR Public Relations
QMB Quantitative Methods in Business
RAT Radiation Therapy
RCS Rehabilitation Counseling Services
REA Reading
RED Reading Education
REE Real Estate
REL Religion Undergraduate
RET Respiratory Care
RHT Radiation Health/Radiation Protection
RMI Risk Management & Insurance
ROT Reactor Operator Technology
RSD Rehabilitation Science Doctorate
RTG Radiologic Technology
RTT Radio/Television Technology
RTV Radio/Television
RUS Russian Language
RUT Russian Culture in Translation or Translation Skills
RUW Russian Literature (Writings)
SAL South Asian Languages
SBM Small Business Mgmt.
SCA Sub-Saharan African Languages
SCC Security
SCF Science Education
SCIT Scandinavian Culture in Translation or Translation Skills
SCW Serbo-Croatian Literature (Writings)
SCY Security
SDS Student Development Services
SEC Serbo-Croatian Language
SSR Speech Education
SER Small Engine Mechanics
SHO Shona Language
SHT Shona Culture in Translation or Translation Skills
SLA Second Language Acquisition/Instructional Technology
SLS Student Life Skills (Learning)
SLT Slavic Culture in Translation or Translation Skills
SLW Slavic Literature (Writings)
SMT Science or Mathematics Teaching
SNW Scandinavian Literature

SON Sonography
SOP Social Psychology
SOS Soil Science
SOW Social Work
SPA Speech Pathology and Audiology
SPB Sports Business
SPC Speech Communication
SPM Sports Management
SPN Spanish Language
SPS School Psychology
SPT Spanish Culture in Translation or Translation Skills
SPW Spanish Literature (Writings)
SRK Sanskrit Language
SRT Sanskrit Culture in Translation or Translation Skills
SRW Sanskrit Literature (Writings)
SSA Sub-Saharan African Languages
SSSE Social Studies Education
SST Sub-Saharan African Culture in Translation or Translation Skills
SSW Sub-Saharan African Literature
STA Statistics
STS Surgical Technology Studies
SUR Surveying & Related Areas
SVL Savings and Loan (IFE Courses Only)
SWA Swahili Language
SWS Soil and Water Sciences
SWT Swahili Culture in Translation or Translation Skills
SWW Swahili Literature (Writings)
SYA Sociological Analysis
SYD Sociology Of Demography/Area Studies/Sociological Minorities
SYG Sociology, General
SYO Social Organization
SYT Social Processes
TAR Technical Architecture
TAX Taxation
TCN Telecommunications
TDR Technical Drafting (PSAV Level)
THE Theatre Studies and General Resources
TPA Theatre Production and Administration
TPP Theatre Performance and Performance Training
TRA Transportation and Logistics
TSI Teaching Spanish As A Second Language
TTE Transportation Engineering
TUR Turkish Language
TUT Turkish Culture in Translation or Translation Skills
TUW Turkish Literature (Writings)
URP Urban and Regional Planning
URS Urban and Regional Studies
VAR Variable-Paced Architecture
VEC Vegetable Crops
VEM Veterinary Medicine Professional
VIC Visual Communication
VME Veterinary Medicine Graduate
VPI Vocational Preparatory Instruction
VTN Vietnamese Language
VTT Vietnamese Culture in Translation or Translation Skills
VTW Vietnamese Literature (Writings)
WCL Ward Clerk
WDS Weed Science
WIS Wildlife Science
WOD World History
WOL Wolof Language
WOT Wolof Culture in Translation or Translation Skills
WOW Wolof Literature (Writings)
WST Women’s Studies
XHO Xhosa Language
XHT Xhosa Culture in Translation or Translation Skills
XHW Xhosa Literature (Writings)
YOR Yoruba Language
YOT Yoruba Culture in Translation or Translation Skills
YRW Yoruba Literature (Writings)
ZOO Zoology
Courses Numbered 0-999

Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses

In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

<table>
<thead>
<tr>
<th>Special Course</th>
<th>Undergraduate</th>
<th>Graduate1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905, 4906</td>
<td>5907</td>
</tr>
<tr>
<td>Directed Independent Research</td>
<td>4912</td>
<td>5917</td>
</tr>
<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3913, 4914</td>
<td></td>
</tr>
<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932, 5937</td>
<td></td>
</tr>
<tr>
<td>*Internship, Practicum, Clinical Prac</td>
<td>3940, 4941</td>
<td>5944</td>
</tr>
<tr>
<td>Cooperative Education2</td>
<td>1949, 2949, 3949, 4949</td>
<td>5949</td>
</tr>
<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
<td></td>
</tr>
<tr>
<td>Honors Directed Reading2</td>
<td>4903H</td>
<td></td>
</tr>
<tr>
<td>Study Abroad</td>
<td>4955</td>
<td>5957</td>
</tr>
</tbody>
</table>

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours

With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend

PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.

CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.

CI: (Consent of the Instructor)

Hours Code

Each course listed is followed by a code that shows hours of credit and contact hours.

Example:

ART 2500C   CAH-SVAD  3(2.4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator

Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Communications, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

<table>
<thead>
<tr>
<th>College/School/Department</th>
<th>Department</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
</tr>
<tr>
<td>BA</td>
<td>Business</td>
<td>BA</td>
</tr>
<tr>
<td>BA</td>
<td>Economics</td>
<td>ECON</td>
</tr>
<tr>
<td>BA</td>
<td>Finance</td>
<td>FIN</td>
</tr>
<tr>
<td>BA</td>
<td>Management</td>
<td>MAN</td>
</tr>
<tr>
<td>BA</td>
<td>Marketing</td>
<td>MAR</td>
</tr>
<tr>
<td>BHC</td>
<td>Honors</td>
<td>HON</td>
</tr>
<tr>
<td>CAH</td>
<td>Africana Studies</td>
<td>AS</td>
</tr>
<tr>
<td>CAH</td>
<td>Arts &amp; Humanities</td>
<td>CAH</td>
</tr>
<tr>
<td>CAH</td>
<td>English</td>
<td>ENG</td>
</tr>
<tr>
<td>CAH</td>
<td>Fla Interactive Entertainment Academy</td>
<td>FIEA</td>
</tr>
<tr>
<td>CAH</td>
<td>History</td>
<td>HIST</td>
</tr>
<tr>
<td>CAH</td>
<td>Judaic Studies</td>
<td>JUD</td>
</tr>
<tr>
<td>CAH</td>
<td>Latin American Studies</td>
<td>LAS</td>
</tr>
<tr>
<td>CAH</td>
<td>Modern Languages</td>
<td>LANG</td>
</tr>
<tr>
<td>CAH</td>
<td>Music</td>
<td>MUSIC</td>
</tr>
<tr>
<td>CAH</td>
<td>Philosophy</td>
<td>PHI</td>
</tr>
<tr>
<td>CAH</td>
<td>School of Visual Arts &amp; Design</td>
<td>SVAD</td>
</tr>
<tr>
<td>CAH</td>
<td>Theatre</td>
<td>THEA</td>
</tr>
<tr>
<td>CAH</td>
<td>Women’s Studies</td>
<td>WOM</td>
</tr>
<tr>
<td>CAH</td>
<td>Writing &amp; Rhetoric</td>
<td>WRITE</td>
</tr>
<tr>
<td>COM</td>
<td>Medicine</td>
<td>MED</td>
</tr>
<tr>
<td>COM</td>
<td>Burnett School of Biomedical Sciences</td>
<td>BSBS</td>
</tr>
<tr>
<td>CON</td>
<td>Nursing</td>
<td>NURS</td>
</tr>
<tr>
<td>COS</td>
<td>Anthropology</td>
<td>ANTHRO</td>
</tr>
<tr>
<td>COS</td>
<td>Biology</td>
<td>BIO</td>
</tr>
<tr>
<td>COS</td>
<td>Chemistry</td>
<td>CHEM</td>
</tr>
<tr>
<td>COS</td>
<td>Communication</td>
<td>COMM</td>
</tr>
<tr>
<td>COS</td>
<td>Mathematics</td>
<td>MATH</td>
</tr>
<tr>
<td>COS</td>
<td>Physics</td>
<td>PHYS</td>
</tr>
<tr>
<td>COS</td>
<td>Political Science</td>
<td>POLS</td>
</tr>
<tr>
<td>COS</td>
<td>Psychology</td>
<td>PSYCH</td>
</tr>
<tr>
<td>COS</td>
<td>Sciences</td>
<td>COS</td>
</tr>
<tr>
<td>COS</td>
<td>Sociology</td>
<td>SOC</td>
</tr>
<tr>
<td>COS</td>
<td>Statistics</td>
<td>STAT</td>
</tr>
<tr>
<td>ECS</td>
<td>Air Force ROTC-Aerospace</td>
<td>AFROTC</td>
</tr>
<tr>
<td>ECS</td>
<td>Civil, Env &amp; Const Eng</td>
<td>CECE</td>
</tr>
<tr>
<td>ECS</td>
<td>Computer Science</td>
<td>CS</td>
</tr>
<tr>
<td>ECS</td>
<td>Electrical &amp; Computer Eng</td>
<td>ECE</td>
</tr>
<tr>
<td>ECS</td>
<td>Engineering</td>
<td>ECS</td>
</tr>
<tr>
<td>ECS</td>
<td>Industrial Eng &amp; Management Systems</td>
<td>IEMS</td>
</tr>
<tr>
<td>ECS</td>
<td>Materials Sci &amp; Engineering</td>
<td>MSE</td>
</tr>
<tr>
<td>ECS</td>
<td>Mechanical &amp; Aerospace Engineering</td>
<td>MECH/AERO</td>
</tr>
<tr>
<td>ECS</td>
<td>Military Science-Army ROTC</td>
<td>AROC</td>
</tr>
<tr>
<td>ED</td>
<td>Child, Family &amp; Comm Sciences</td>
<td>CFCS</td>
</tr>
<tr>
<td>ED</td>
<td>Education</td>
<td>ED</td>
</tr>
<tr>
<td>ED</td>
<td>Educational &amp; Human Sciences</td>
<td>E&amp;HS</td>
</tr>
<tr>
<td>ED</td>
<td>Teaching, Learning &amp; Leadership</td>
<td>T&amp;L</td>
</tr>
<tr>
<td>HPA</td>
<td>Communication Sciences &amp; Disorders</td>
<td>COM SC&amp;DIS</td>
</tr>
<tr>
<td>HPA</td>
<td>Criminal Justice</td>
<td>CJ</td>
</tr>
<tr>
<td>HPA</td>
<td>Health &amp; Public Affairs</td>
<td>HPA</td>
</tr>
<tr>
<td>HPA</td>
<td>Health Management &amp; Informatics</td>
<td>HMI</td>
</tr>
<tr>
<td>HPA</td>
<td>Health Professions</td>
<td>HP</td>
</tr>
<tr>
<td>HPA</td>
<td>Legal Studies</td>
<td>LS</td>
</tr>
<tr>
<td>HPA</td>
<td>Public Administration</td>
<td>PUB</td>
</tr>
<tr>
<td>HPA</td>
<td>Public Affairs</td>
<td>PUB AFF</td>
</tr>
<tr>
<td>HPA</td>
<td>Social Work</td>
<td>SOWK</td>
</tr>
<tr>
<td>OPT</td>
<td>Optics</td>
<td>OPT</td>
</tr>
<tr>
<td>RCHM</td>
<td>Foodservice &amp; Lodging Mgmt</td>
<td>FOOD&amp;LDOG</td>
</tr>
<tr>
<td>RCHM</td>
<td>Hospitality Management</td>
<td>RCHM</td>
</tr>
<tr>
<td>RCHM</td>
<td>Hospitality Services</td>
<td>HSP SERV</td>
</tr>
<tr>
<td>RCHM</td>
<td>Tourism, Events &amp; Attractions</td>
<td>TEA</td>
</tr>
<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDIS</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA

449 Undergraduate Catalog 2016-2017
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 4311</td>
<td>AMH-HIST American History II</td>
<td>3(3,0)</td>
<td>Examines the history of technology in the United States, its impact on society, and its' impact on technological development. Even Spring</td>
</tr>
<tr>
<td>AMH 4317</td>
<td>AMH-HIST Technology and US Culture</td>
<td>3(3,0)</td>
<td>Examines the history of technology in the United States, focusing on the role of Cape Canaveral/Kennedy Space Center. Occasional.</td>
</tr>
<tr>
<td>AMH 4510</td>
<td>AMH-HIST Rise of the United States to World Power</td>
<td>3(3,0)</td>
<td>Examines the history of basic American policies, American expansion, American military wars, and the emergence of America as a world power.</td>
</tr>
<tr>
<td>AMH 4520</td>
<td>AMH-HIST Diplomatic History</td>
<td>4(3,0)</td>
<td>Examines the history of diplomatic relations and the role of diplomacy in shaping America's role in the world.</td>
</tr>
<tr>
<td>AMH 4644</td>
<td>AMH-HIST Viewing American History</td>
<td>4(3,3)</td>
<td>Examines the history of American culture and the role of culture in shaping American identity.</td>
</tr>
<tr>
<td>AMH 4647</td>
<td>AMH-HIST History of US Aviation</td>
<td>3(3,0)</td>
<td>Examines the history of US aviation and its impact on American culture. Even Fall.</td>
</tr>
<tr>
<td>AMH 4680</td>
<td>AMH-HIST Women in American Science</td>
<td>3(3,0)</td>
<td>Examines the history of women in American society, focusing on the role of women in shaping American culture. Even Fall.</td>
</tr>
<tr>
<td>AMH 5116</td>
<td>AMH-HIST Colloquium in U.S. Colonial History</td>
<td>3(3,0)</td>
<td>Examines the history of colonial America and its impact on American culture. May be used in the degree program a maximum of 4 times. Occasional.</td>
</tr>
<tr>
<td>AMH 5137</td>
<td>AMH-HIST Colloquium in U.S. Revolutionary Period</td>
<td>3(3,0)</td>
<td>Examines the history of the Revolutionary War and its impact on American culture. Occasional.</td>
</tr>
<tr>
<td>AMH 5149</td>
<td>AMH-HIST Colloquium in Early US. History</td>
<td>3(3,0)</td>
<td>Examines the history of early American culture, focusing on the role of early American culture. Occasional.</td>
</tr>
<tr>
<td>AMH 5169</td>
<td>AMH-HIST Colloquium in Age of Jackson</td>
<td>3(3,0)</td>
<td>Examines the history of the Age of Jackson and its impact on American culture. Occasional.</td>
</tr>
<tr>
<td>AMH 5176</td>
<td>AMH-HIST Colloquium in Civil War and Reconstruction</td>
<td>3(3,0)</td>
<td>Examines the history of the Civil War and Reconstruction era and its impact on American culture. Occasional.</td>
</tr>
<tr>
<td>AMH 5219</td>
<td>AMH-HIST Colloquium in Late 19th Century U.S.</td>
<td>3(3,0)</td>
<td>Examines the history of the late 19th century in American culture.</td>
</tr>
<tr>
<td>AMH 5296</td>
<td>AMH-HIST Colloquium in 20th Century U.S.</td>
<td>3(3,0)</td>
<td>Examines the history of the 20th century in American culture.</td>
</tr>
<tr>
<td>AMH 5378</td>
<td>AMH-HIST History of Technology</td>
<td>3(3,0)</td>
<td>Examines the history of technology and its impact on American culture.</td>
</tr>
<tr>
<td>AMH 5591</td>
<td>AMH-HIST Colloquium in U.S. Cultural History</td>
<td>3(3,0)</td>
<td>Examines the history of cultural influence on American culture.</td>
</tr>
<tr>
<td>AMH 5636</td>
<td>AMH-HIST Colloquium in US Environmental History</td>
<td>3(3,0)</td>
<td>Examines the history of environmental influences on American culture.</td>
</tr>
<tr>
<td>AMH 5925</td>
<td>AMH-HIST Colloquium in US Military History</td>
<td>3(3,0)</td>
<td>Examines the history of military influence on American culture.</td>
</tr>
<tr>
<td>AML 3031</td>
<td>AML-CENG American Literature I</td>
<td>3(3,0)</td>
<td>Examines the history of American literature from its beginnings to the present.</td>
</tr>
<tr>
<td>AML 3041</td>
<td>AML-CENG American Literature II</td>
<td>3(3,0)</td>
<td>Examines the history of American literature from its beginnings to the present.</td>
</tr>
<tr>
<td>AML 3283</td>
<td>AML-CENG Contemporary American Women's Fiction</td>
<td>3(3,0)</td>
<td>Examines the history of contemporary American women's fiction.</td>
</tr>
<tr>
<td>AML 3286</td>
<td>AML-CENG Early American Women's Words</td>
<td>3(3,0)</td>
<td>Examines the history of early American women's words.</td>
</tr>
<tr>
<td>AML 3613</td>
<td>AML-CENG Narratives of Slavery</td>
<td>3(3,0)</td>
<td>Examines the history of narratives of slavery.</td>
</tr>
<tr>
<td>AML 3614</td>
<td>AML-CENG Topics in African-American Literature</td>
<td>3(3,0)</td>
<td>Examines the history of African-American literature and its impact on American culture. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>AML 3615</td>
<td>AML-CENG Harlem, Haiti, and Havana</td>
<td>3(3,0)</td>
<td>Examines the history of African-American literature in these areas.</td>
</tr>
<tr>
<td>AML 3640</td>
<td>AML-CENG Native American Literature</td>
<td>3(3,0)</td>
<td>Examines the history of Native American literature.</td>
</tr>
<tr>
<td>AML 3643</td>
<td>AML-CENG Contemporary Native American Prose and Poetry</td>
<td>3(3,0)</td>
<td>Examines the history of contemporary Native American prose and poetry.</td>
</tr>
<tr>
<td>AML 3682</td>
<td>AML-CENG Ethnic Literature in America</td>
<td>3(3,0)</td>
<td>Examines the history of ethnic literature in America.</td>
</tr>
<tr>
<td>AML 3698</td>
<td>AML-CENG US Diplomatic History</td>
<td>3(3,0)</td>
<td>Examines the history of US diplomacy.</td>
</tr>
<tr>
<td>AML 4101</td>
<td>AML-CENG American Novel</td>
<td>3(3,0)</td>
<td>Examines the history of the American novel.</td>
</tr>
<tr>
<td>AML 4155</td>
<td>AML-CENG Modern American Poetry</td>
<td>3(3,0)</td>
<td>Examines the history of modern American poetry.</td>
</tr>
<tr>
<td>AML 4261</td>
<td>AML-CENG Literature of the South</td>
<td>3(3,0)</td>
<td>Examines the history of the literature of the South.</td>
</tr>
<tr>
<td>AML 4265</td>
<td>AML-CENG Florida Writers</td>
<td>3(3,0)</td>
<td>Examines the history of Florida writers.</td>
</tr>
<tr>
<td>AML 4300</td>
<td>AML-CENG Major American Authors</td>
<td>3(3,0)</td>
<td>Examines the history of major American authors.</td>
</tr>
<tr>
<td>AML 4630</td>
<td>AML-CENG Latin American Literature</td>
<td>3(3,0)</td>
<td>Examines the history of Latin American literature.</td>
</tr>
<tr>
<td>AML 4634</td>
<td>AML-CENG Contemporary Latin American Literature</td>
<td>3(3,0)</td>
<td>Examines the history of contemporary Latin American literature.</td>
</tr>
<tr>
<td>AML 4653</td>
<td>AML-CENG Archeological Sciences</td>
<td>3(3,0)</td>
<td>Examines the history of archeological sciences.</td>
</tr>
<tr>
<td>AML 4657</td>
<td>AML-CENG Archeological Forensics</td>
<td>3(3,0)</td>
<td>Examines the history of archeological forensics.</td>
</tr>
<tr>
<td>AML 5000</td>
<td>AML-CENG Archeological Forensics</td>
<td>3(3,0)</td>
<td>Examines the history of archeological forensics.</td>
</tr>
</tbody>
</table>
ANT 5000 COA-ANTHRO (3.0) General Anthropology: An introductory survey of the four major subfields of anthropology, Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 5000H COA-ANTHRO (3.0) Honors General Anthropology: PR: Permission of Honors. Extensive honors work in the field of anthropology. Prerequisite: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 5211L COA-ANTHRO (1.0) Physical Anthropology Lab: PR: or C.R. ANT 5211 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANT 5260 COA-ANTHRO (3.0) Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 5168 COA-ANTHRO (3.0) Maya Archaeology: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 5257 COA-ANTHRO (3.0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and topical problems in Maya Studies. Occasional.

ANT 5167 COA-ANTHRO (3.0) Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the trapel of the Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANT 5191 COA-ANTHRO (3.0) Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

ANT 5228 COA-ANTHRO (3.0) Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANT 5272 COA-ANTHRO (3.0) Culture, Inequality and Global Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Quantitative approaches in human society and the ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANT 5486 COA-ANTHRO (3.0) Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program. PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANT 5525C COA-ANTHRO (4.3) Human Osteology: PR: Admission to the Anthropology MA program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.

ANT 5531 COA-ANTHRO (3.0) Nutritional Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The biological, social, cultural, psychological, and environmental influences of food and its consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANT 5562 COA-ANTHRO (3.0) Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on the effects of cultural issues that affect cultural competency. Occasional.

ANT 5738 COA-ANTHRO (3.0) Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and cross-cultural approaches to the study of health and disease. Occasional.

ANT 5742 COA-ANTHRO (3.0) Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANT 5822 COA-ANTHRO (3.0) Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infeld research in the Maya area. Spring.

ANT 2000 COA-ANTHRO (3.0) Life and Death in Ancient Egypt: PR: Sophomore standing. Use of archaeological and physical anthropology to examine the lives and death of both common citizens and royalty in Ancient Egypt (3200 B.C.E.-AD 600). Spring.

ANT 3152 COA-ANTHRO (3.0) Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. The precolombian history of the Native peoples of the U.S. Southwest, from the region's first colonists to Hispanic and Navajo groups of the Contact era. Even Fall.

ANT 3154 COA-ANTHRO (3.0) A Survey of American Historical Archaeology: PR: Sophomore Standing or C.I. Examines historical archaeology of the United States from the arrival of Europeans through the early 20th century to understand America's history using archaeological principles. Even Fall.

ANT 3158 COA-ANTHRO (3.0) Florida Archaeology: PR: Sophomore standing. Florida's prehistory from the Pleistocene to European contact including archaeological periods, cultural areas, and artifacts. Spring.

ANT 3160 COA-ANTHRO (3.0) Americas Before Columbus: PR: Sophomore standing. Archaeological developments of North, Central, and South America from the hemispheres' initial Coupling through the advent of European cultures. Occasional.

ANT 3161 COA-ANTHRO (3.0) Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COA-ANTHRO (3.0) Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANT 3164 COA-ANTHRO (3.0) Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnographic, historical, and contemporary anthropological sources. Spring.

ANT 3165 COA-ANTHRO (3.0) Archaeology of the Americas: PR: ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COA-ANTHRO (3.0) Native American Religions: PR: Sophomore standing. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COA-ANTHRO (3.0) Archaeology of Sex: PR: Sophomore standing. Cross-cultural concepts of sex, sexuality, and sexual identities throughout human history from an archaeological perspective. Spring.

ANT 3174 COA-ANTHRO (3.0) BattlefiedeArchaeology: PR: Sophomore Standing or C.I. Provide students an archaeological perspective of battlefield culture and military history from the Classic period to the early 20th century. Odd Fall.


ANT 3179 COA-ANTHRO (3.0) Australian Archaeology and Indigenous Cultures: PR: Sophomore standing or C.I. Explore Indigenous peoples, both past and present, through historical and maritime archaeology, as a means of unraveling the full breadth of Australia’s rich indigenous cultures. Odd Fall.


ANT 3241 COA-ANTHRO (3.0) Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COA-ANTHRO (3.0) Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.
Primates, including their morphology, ecology, behavior, and social organization. Occasional.

ANT 3290
Anthropology of Plants and People: PR: ANT 2140 or Sophomore Standing. Anthropological perspectives involving the interactions between people and plants. Even Spring.

ANT 3302
Sex, Gender and Culture: PR: Sophomore standing. An introduction to sex and gender topics of cultural, political, economic, and health concerns such as the environment, migration, globalization and health. Fall Spring.

ANT 3311

ANT 3312

ANT 3313

ANT 3319

ANT 3330
Anthropology of the Amazon: PR: Sophomore Standing or C.I. The historical ecology and archaeology of indigenous Amazonians, including evidence from archaeological, ethnographic and linguistic studies. Occasional.

ANT 3362

ANT 3393
American Indian Language and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through tales and legends, treaties, archival sources. Occasional.

ANT 3398

ANT 3541
Biobehavioral Anthropology: PR: Sophomore standing. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Fall.

ANT 3550C
Primate: PR: One of the following: ANT 2511, BSC 2010C, or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3610
Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior, language and perception. Fall, Spring.

ANT 3701
Engagement & Social Change: Public Anthropology: PR: Sophomore Standing or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Even Fall.

ANT 3943
Caribbean Archaeology Practicum: PR: Previous fieldwork is preferred, and C.I. Field archaeology by participating in field schools at prehistoric Lucayan sites on Eleuthera and/or Inagua Islands. May be used in the degree program a maximum of 2 times. Occasional.

ANT 4013
Anthropology of Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research on corporate fast food in diverse cultural settings. Occasional.

ANT 4027
Mummies, Life After Death: PR: ANT 2511 or C.I. A survey of practices and beliefs surrounding death: the concerns cultures and humans have had throughout the ages about the body’s decay after life, and their attempts to prevent decay and preserve bodies in a state as near to life as possible. Occasional.

ANT 4054
History of Anthropological Thought: PR: ANT 2410 or C.I. The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

ANT 4051
Environmental Anthropology: PR: ANT 2140 or Junior Standing. Relationships between human cultures and societies and the environment from an anthropological perspective. Even Fall.

ANT 4105
Saving the Plundered Past: Ethics and Controversy in Contemporary Archaeology: PR: ANT 2140 or Junior Standing. Social, economic and political contexts surrounding contemporary archaeological research and interpretation, with emphasis on ethics, heritage management, and law. Even Spring.

ANT 4115C
Archaeological Method and Theory: PR: ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Spring.

ANT 4153
North American Archaeology: PR: Sophomore standing. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Spring.

ANT 4171

ANT 4180C
Seminar in Laboratory Analysis: PR: or CR: ANT 2000 or ANT 2140 or C.I. The processing of archaeological finds from excavation through publication. May be repeated for credit. Spring.

ANT 4183
Archaeological Sciences: PR: One of the following: ANT 2511, ANT 2140, CHS 3501, any 4000 level Criminal Justice course, or C.I. Methods and instrumentation routinely used in archaeology and forensic archaeology. Spring.

ANT 4184
Mortuary Archaeology: PR: ANT 2140 or C.I. The study of archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Odd Spring.

ANT 4187
Paleoethnobotany: PR: ANT 2140. Junior standing. Provides students with knowledge and understanding of paleoethnobotany sufficient to understand, interpret, and evaluate plant data in archaeological, paleoecological, and contemporary research. Odd Fall.

ANT 4266

ANT 4303
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, PSY 2012, or C.I. Social theory of tourism; anthropological tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4332
People and Cultures of Latin America: PR: One of the following: ANT 2000, SYG 2000, PSY 2012, ANT 2410, or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall.

ANT 4340

ANT 4352
Anthropology of Drugs and Addiction: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of America examining the social, cultural, and economic diversity of the continent over time. Even Fall.

ANT 4406

ANT 4408
Culture, Disease, and Healing: PR: Sophomore Standing or C.I. The role of culture in shaping the experiences and perceptions of health, sickness, and well-being in a variety of contexts. Spring.

ANT 4441
Anthropology of Cities: PR: ANT 2140 or Junior Standing. Cities in the past and present along with the social and cultural systems that create them from an archaeological and anthropological perspective. Even Spring.

ANT 4462
Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theory, methods, and applications. Fall.

ANT 4467
Nutritional Anthropology: PR: ANT 2511 or C.I. Psychological, biological, social, cultural, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, ecological and evolutionary. Occasional.

ANT 4486
Global Health in Anthropological Perspective: PR: ANT 2410 or C.I. The exploration of global health issues from an anthropological and cross-cultural perspective. Odd Fall.

ANT 4488
Anthropology of Drugs and Addiction: PR: Sophomore Standing, or C.I. Anthropological approaches of drugs and addiction in the U.S. and internationally as topics of cultural, political, economic, and health concerns. Odd Fall.

ANT 4482
Anthropology of Mental Health: PR: Sophomore Standing, or any upper level course in Anthropology, Sociology, Psychology, or Social Work. Anthropological approaches to mental health and examines mental health and healing in cross-cultural perspective. Odd Spring.
UCF Courses and Descriptions

ANT 4483 COS-ANTHRO 3(3,0) Health and Healing in the Ancient World: An Anthropological Perspective: PR: ANT 2511 or junior standing. A history of health and healing in the human past and how archaeologists can determine patterns and changes over time. Odd Spring.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 3511 or BSC 2010C or C.I. Human biological variation and adaptation. Spring.

ANT 4521 COS-ANTHRO 3(3,0) Forensic Anthropology: PR: One of the following: ANT 2511, CHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. Fall.

ANT 4525C COS-ANTHRO 4(3,1) Human Osteology I: PR: One of the following: ANT 4521, ZOO 3713C, ZOO 3733C, or C.I. The scientific study of the human skeleton and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.


ANT 4586C COS-ANTHRO 3(2,1) Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from Miocene hominoids through the australopithecines and the earliest members of the genus Homo. Fall, Spring.

ANT 4702 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Sophomore Standing or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.


ANT 4824 COS-ANTHRO 9(0,9) Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

ANT 4852 COS-ANTHRO 3(3,0) GIS Methods in Anthropology: PR: Junior standing or C.I. An overview to Geographic Information Systems (GIS) methods from an anthropological perspective. Even Fall.

ANT 4854 COS-ANTHRO 3(3,0) Advanced GIS Methods in Anthropology: PR: ANT 3202 or C.I. Advanced methods to Geographic Information Systems (GIS) from an anthropological perspective. Odd Spring.

APK 3132 ED-E&S 3(3,0) Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.


APK 4110C ED-E&S 2(2,1) Exercise Physiology: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3733C or ZOO 3733C or equivalent, and minimum overall 2.5 GPA. Metabolic, neuromuscular, respiratory and cardiovascular physiological concepts and principles with practical application to sport and exercise science. Fall, Spring.

ARA 1120C CAH-LANG 4(4,1) Honors Elementary Arabic Language and Civilization I: PR: Admission to Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Honors level content. Occasional.

ARA 1120C CAH-LANG 4(4,1) Elementary Arabic Language and Civilization I: PR: Admission to Honors. Introduction to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1121C CAH-LANG 4(3,1) Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1220 CAH-LANG 3(3,1) Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

ARA 2201 CAH-LANG 3(3,0) Intermediate Arabic II: PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARC 3181 CAH-SVAD 3(3,0) Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3270 CAH-SVAD 3(3,0) Professional Practice in Architecture: PR: ARC 3320L or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. Occasional.

ARC 3310C CAH-SVAD 3(1,3) Parametric Modeling and Fabrication: PR: ARC 2180 (offered through Valencia College) or equivalent. Computer-aided hardware and software utilized in the professional practice of architecture. Occasional.

ARC 3320L CAH-SVAD 6(0,9) Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-SVAD 6(0,9) Architectural Design 6: PR: ARC 3320L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-SVAD 3(3,0) Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-SVAD 3(3,0) Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I.; CR: ARC 3320L. Principles of structural behavior in understanding gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-SVAD 3(3,0) Environmental Technology 1: CR: ARC 3321L. Principles and practices relating to control of the thermal, atmospheric environment and plumbing in buildings. Odd Spring.

ARC 3743 CAH-SVAD 3(3,0) Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-SVAD 3(3,0) Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-SVAD 6(0,9) Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product, emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-SVAD 6(0,9) Architectural Design 8: CR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-SVAD 3(3,0) Environmental Technology 2: CR: ARC 3322L. PR: ARC 3310 or C.I. Fundamentals of architectural lighting, acoustics, electrical power distribution and building communications. Odd Fall.

ARE 2000 ED-TL&L 3(3,0) Early Childhood Art and Creativity: An examination of developmental patterns in children’s artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 3335 CAH-SVAD 12(0,12) Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic arts. Occasional.

ARE 3944 CAH-SVAD 3(2,3) Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0) Art for Exceptionalities: PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 CAH-SVAD 3(3,0) Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4351 ED-TL&L 3(3,0) Teaching Art in the Elementary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1) Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 2051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $8.00
C.I. Intermediate problems in drawing, with emphasis on drawing, design, and art history.

ART 2400C
Beginning Printmaking: Basic elements and techniques of printmaking covered. Relief, intaglio, and lithography. Assignments include practical application of printmaking as drawing tool. Occasional.

ART 2500C
Intermediate Drawing: PR: ART 2200C, ART 2300C, or C.I. Methods and materials of the painter. Introduction to the problems in painting. Occasional. M&S fee $15.00

ART 2701C
Sculpture: PR: Three semester hours in three-dimensional work, ART 2201C, ART 2303C, ART 2300C, and ART 2301C. The challenges of communicating ideas through three-dimensional forms. Odd Fall. M&S fee $35.00

ART 2754C
Beginning Ceramics: PR: ART 2201C or C.I. Basic concepts of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd Spring. M&S fee $35.00

ART 2823
Art and Interface: An overview of art departments and specializations, and selected historical and theoretical information influencing the art curriculum. Examination of aesthetics and how one manipulates form, function, volume, color and surface texture. Occasional.

ART 3161

ART 3170C

ART 3171C
Materials for Artist Books: PR: ART 2201C, ART 2203C, and ART 3170C. Production of materials used for an artist in the creation of books. Occasional. M&S fee $32.00

ART 3175C

ART 3176C

ART 3616C
Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional.

ART 3618
Post-Production Design: PR: Sophomore Portfolio and "C" or better in FIL 3720C. Special effects and compositing for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

ART 3643C
Digital Effects & Compositing: PR: DIG 3851 and declared Experimental Animation specialization. Special effects and compositing for computer animation and film, focusing on the use of After Effects, Premier and Photoshop or comparable software. Fall.

ART 3709C

ART 3737C
Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Aesthetics of sculpture, incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3761C

ART 3764C
Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

ART 3824

ART 3833C
Honors Processes and Ideas in Art: PR: Junior Standing and Consent of Honors. Generation of new ideas for the creation of art works, with an emphasis on the individual creation of visual art objects. With Honors content. Occasional.

ART 3833C
Processes and Ideas in Art: PR: Junior Standing. This course emphasizes the development of individual creativity and the generation of new insights concerning artistic expression. These “formative activities” must be manifested by students in the form of small sculptures and/ or other forms of creativity. Occasional.

ART 3950
Portfolio Review: PR: ART 2500, ART 2501, ART 2520, ART 2201C, ART 2203C, ART 2300C, and ART 2301C. Determines competencies in studio foundations work. Satisfactory completion of portfolio review is required to enroll in upper division studio classes. Graded SU, Fall, Spring.

ART 3951C
Design Intensive: PR: Any 2000 level Art History. Interdisciplinary design course emphasizing visual literacy skills and finished design projects with real world clients. Course covers two and three dimensional design content. Occasional.

ART 4172C

ART 4173C

ART 4174C

ART 4177C
Commercial Book Design and Publishing: PR: ART 2823 and Junior standing or C.I. Analysis of art and design elements and their interpretation from a historical perspective. Occasional.

ART 4226C

ART 4320C
Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3332C. May be repeated for credit. Fall, Spring.

ART 4402C
Animation Production: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in animation production. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 4505C
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced problems in painting. May be repeated for credit. Fall, Spring. M&S fee $15.00

ART 4634C

ART 4644C

ART 4710C
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. The challenge of communicating concepts through three-dimensional forms. May be repeated for credit. Fall, Spring. M&S fee $45.00

ART 4765C
Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee $35.00

ART 4780C

ART 4783C
Advanced Ceramics: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 3761C, and a satisfactory portfolio review or C.I. Advanced problems in the ceramic arts. May be repeated for credit. Fall, Spring. M&S fee $35.00

ART 4786C
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Pre-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 4935</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C, ART 2300C, ART 2310C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition.  Spring: M&amp;S fee $15.00</td>
</tr>
<tr>
<td>ART 4945C</td>
<td>CAH-SVAD</td>
<td>3(2,4)</td>
<td>Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2310C, and a satisfactory portfolio review or C.I. Students design and develop visual solutions for real world clients in partnership with industry. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>ART 4954</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Scotland Study Abroad: PR: ART 2823, ART 2201C, ART 2301C or C.I. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>ART 5280</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Serial Content: PR: Admission to Emerging Media MFA or Digital Media M.A., graduate standing, or C.I. Serial content, story forms, interactive narrative theory and practice for art, digital media and film. Traditional and non-traditional forms of visual and interactive storytelling. Fall, M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5284</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Design Theory and Methods: PR: Admission to MFA or C.I. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5670C</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Digital Illustration: CR: ART 6833C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring.</td>
</tr>
<tr>
<td>ART 5694</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the &quot;arts electronic&quot; into the present. Spring.</td>
</tr>
<tr>
<td>ART 5695</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>WebArt I: PR: Admission to MFA. Students will explore the web and experiment with pertinent software, as well as design and implement websites. Projects will be determined at the outset of each semester. Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5696</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Art, Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactive systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.</td>
</tr>
<tr>
<td>ART 5698</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5811C</td>
<td>CAH-SVAD</td>
<td>3(3,1)</td>
<td>The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2310C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar on professional and political practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5910</td>
<td>CAH-SVAD</td>
<td>3(3,0)</td>
<td>Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>ART 5941</td>
<td>CAH-SVAD</td>
<td>1(1,0)</td>
<td>Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.</td>
</tr>
<tr>
<td>ART 5925</td>
<td>CAH-HIST</td>
<td>3(3,0)</td>
<td>Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.</td>
</tr>
<tr>
<td>ASL 2140</td>
<td>HPA-COM-SC&amp;DIS</td>
<td>4(4,0)</td>
<td>Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, heritage, and issues. Fall, Spring.</td>
</tr>
<tr>
<td>ASL 2510</td>
<td>HPA-COM-SC&amp;DIS</td>
<td>3(3,0)</td>
<td>Issues of Deafness: PR: C.I. The impact of deafness on individual, family and social problems in the deaf community and culture, including historical and changing attitudes toward persons and disabilities. Occasional.</td>
</tr>
<tr>
<td>ART 2002</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Astronomy: PR: High school algebra or MAC 105C. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.</td>
</tr>
<tr>
<td>AST 2037</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Be in the Universe: A thought provoking journey through solar system environments and extraterrestrial planets to establish the probability of life on other planets in our solar system and beyond. Occasional.</td>
</tr>
<tr>
<td>AST 3110</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Solar System Astronomy: PR: AST 2002, PHY 205C. Interdisciplinary approach to the dynamics of the Solar System through application of Physics, Atmospheric Science, Chemistry and Geology. Even Fall.</td>
</tr>
<tr>
<td>AST 3211</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Stellar Astrophysics: PR: AST 2002 and PHY 3101. The physics and dynamics of stars, including star formation and stellar evolution. Occasional.</td>
</tr>
<tr>
<td>AST 3402</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Cosmology and Cosmogony: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.</td>
</tr>
<tr>
<td>AST 4142</td>
<td>COS-PHYS</td>
<td>3(0)</td>
<td>Asteroids, Comets, and Meteorites: PR: AST 2002, AST 3110, and AST 3211. Asteroids, comets, and meteorites and their role in the origin and evolution of our solar system. Occasional.</td>
</tr>
</tbody>
</table>

AST 4700 COS-PHYS 3(3,0) Experimental Methods in Astronomy: PR: AST 2002, PHY 2048, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy; astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quantification and interpretation of light. Even Spring.

AST 4762C COS-PHYS 3(1) Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector physics, and experimental and theoretical techniques in astronomy, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5145 COS-PHYS 3(3,0) Advanced Asteroids, Comets, and Meteors: PR: Graduate standing or C.I. An advanced study of physical, chemical, mineralogical, and orbital characteristics of Asteroids, Comets and Meteors, with an emphasis on the origin of our solar system. Odd Spring.

AST 5154 COS-PHYS 3(3,0) Advanced Planetary Geophysics: PR: Admission to Physics major, or PhD or C.I. The physics of planetary evolution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0) Planetary Atmospheres: PR: PHY 3220 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that govern the behavior of the atmosphere of Earth and the other planets. Even Spring.

AST 5263 COS-PHYS 3(3,0) Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astronomy; astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0) Extrasolar Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765C COS-PHYS 3(3,0) Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.


ATR 3012C HPA-HP 3(1,2) Clinical Skills for Athletic Training I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $31.00

ATR 3013C HPA-HP 3(1,2) Clinical Skills for Athletic Training II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $31.00

ATR 3102 HPA-HP 3(3,0) Principles of Athletic Training: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Occasional.

ATR 3203C HPA-HP 3(2,1) Upper Extremity, Function and Measurement: PR: ATR 3312C or ZOO 3736C and COHPA majors and Health Sciences Minors only. Upper extremity functional anatomy, manual muscle testing and goniometry. Spring.

ATR 3204C HPA-HP 3(2,1) Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C and COHPA majors and Health Sciences Minors only. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.

ATR 3212C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries I: PR: ATR 3012. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C and COHPA majors and Health Sciences Minors only. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.

ATR 3812L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: ATR 3012. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

ATR 3822L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: ATR 3012L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2) Principles of Athletic Training Lab: CR: ATR 3012. PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee $34.00


ATR 4112L HPA-HP 3(1,0) Acute Care in Athletic Training: CR: ATR 4842, and ATR 4832L. This course will review and update student knowledge of and competency with acute care procedures and emergency planning in athletic settings. Spring.

ATR 4132 ED-EEHS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: Admission to the Sport and Exercise Science Program or Coaching Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, and minimum overall 2.5 GPA. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

ATR 4213C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries II: PR: ATR 3012. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.


ATR 4315C HPA-HP 3(1,2) Advanced Rehabilitation in Athletic Training: PR: ATR 3822L. Advanced knowledge, skills, and techniques that the certified athletic trainer must perform during rehabilitation of injuries. Fall. M&S fee $17.00

ATR 4512C HPA-HP 3(3,0) Organization and Administration of Athletic Training: PR: ATR 3313C or higher. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4842L HPA-HP 4(0,16) Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4933 HPA-HP 1(1,0) Athletic Training Seminar: PR: ATR 4832L and BME 4130. Principles of responsibility, ethics and professional development for the entry-level athletic trainer. Spring.

ATR 4940 HPA-HP 0-4(0,1-15) Athletic Training Elective Internship: PR: Any ATR courses under advisement. Students will develop their knowledge, skills, and attitudes by providing direct care of athletic injuries; understand the medical delivery system in a variety of settings; and understand the legal and ethical aspects of practicing athletic training. Occasional.


BCH 4054 COS-CHEM 3(3,0) Biochemistry II: PR: BCH 4053. Continuation of BCH 4053. Spring.

BCH 4053L COS-CHEM 2(0,6) Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee $70.00

BME 3211 ECS-MECAERO 3(3,0) Engineering Biomechanics: PR: EGN 3310 and (EGN 3321 or EML 3217) and EGM 3601. Knowledge of engineering approaches and tools that are used in the different aspects of biomechanics. Odd Fall.

BME 5140 ECS-MECAERO 3(3,0) Materials Science of Instrumentation for Clinical Applications: PR: General graduate standing in Engineering, Biomedical Science, Biotechnology, Chemistry or related disciplines or C.I. Study of engineering and materials concepts behind the clinical diagnostics currently used and under development, as well as technologies utilized in fabrication and characterization of the materials. Odd Fall.

BME 5267 ECS-MECAERO 3(3,0) Blood Fluid Mechanics: PR: EML 3701 and EGM 3601 or C.I. This course will cover the physical and mathematical principals of fluid mechanics and its application and relevance to human physiology and pathology. Fall.
UCF Courses and Descriptions


BME 5572  ECS-ECE  3(3,0)  Biomedical Nanotechnology: PR: EEL 3123C with a "C" (2.0) or better grade. Human Physiology, Bioelectric Phenomena and Neurons, Nanoelectronics for fabrication of biochip and biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Spring.

BOT 3018C  COS-BIOL  3(1,2)  Culinary Botany Across the Cultures: PR: BOT 3802, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee $10.00.

BOT 3152C  COS-BIOL  3(1,4)  Local Flora: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2101C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethnobotanical significance. Weekend field trips may be required. Occasional.

BOT 3802  COS-BIOL  3(3,0)  Ethnobotany: PR: A "C" (2.0) or better in both BSC 2010C and BSC 2101C, or C.I. Historical and modern uses of plants economically important in various cultures. Spring.


BOT 4303C  COS-BIOL  5(3,6)  Plant Kingdom: PR: BOT 3632, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00.

BOT 4434C  COM-BSBS  4(3,1)  General Mycology: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional. M&S fee $42.00.

BOT 4503  COS-BIOL  3(3,0)  Plant Physiology: PR: A "C" (2.0) or better in PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.


BOT 4850  COS-BIOL  3(0,1)  Medicinal Botany: PR: PCB 3522 or a "C" (2.0) or better in PCB 3023, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

BSC 1005  COS-BIOL  3(3,0)  Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005L  COS-BIOL  1(0,2)  Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring.

BSC 2010C  COS-BIOL  4(3,2)  Biology I: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00.

BSC 2011C  COS-BIOL  4(3,3)  Biology II: PR: A "C" (2.0) or better in BSC 2010C or C.I. Prior permission will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $2.00.

BSC 3052  COS-BIOL  3(3,0)  Conservation Biology: PR: or CR: A minimum grade of "C" (2.0) in PCB 3404 or CI. Science, history and principles of conservation biology. Occasional.

BSC 3312  COS-BIOL  3(3,0)  Principles of Marine Biology: PR: A minimum grade of "C" (2.0) in both BSC 2010C and BSC 211C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3402C  COS-BIOL  4(1,3)  Integrative Biology: PR: BSC 2010C and BSC 2011C. A research course focusing on the current status of the field, on novel methods and on stressed. May not be repeated for credit.

BSC 3403C  COM-BSBS  4(3,4)  Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3403C  COM-BSBS  4(3,4)  Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00.

BSC 3424  COM-BSBS  3(3,0)  Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering.

BSC 3843L  COS-BIOL  2(0,2)  Strategies for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career advising. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

BSC 3949  COS-BIOL  0(0,8)  Cooperative Education in Biology: PR: Departmental permission required before registering. Cooperative education experience in biology. Graded S/U. May be repeated. Occasional.

BSC 4312C  COS-BIOL  4(3,3)  Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00.

BSC 4320  COS-BIOL  3(3,0)  Invasion Ecology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422  COS-BIOL  1-4(0,3-12)  Biology Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434  COM-BSBS  3(3,0)  Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439  COM-BSBS  3(3,0)  Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4445C  COS-BIOL  1(4,1)  Genomics Lab: Methods in Data Collection and Analysis: PR: A grade of a "B" (3.0) or better in PCB 3063 and completion of EMS Lab Safety Training online course and practical by end of add/drop, or instructor consent. Hands-on approach to understanding how genomic datasets are generated in the lab, and how they are analyzed computationally using bioinformatics pipelines. Fall.

BSC 4821  COS-BIOL  4(4,0)  Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4883, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4937  COS-BIOL  2(0,2)  Instructional Experiences in Undergraduate Biology: PR: PCB 3063, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L  COS-BIOL  3(0,3)  Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316  COS-BIOL  3(3,0)  Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332  COS-BIOL  3(0,3)  Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L  COS-BIOL  3(0,9)  Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional.

BSC 5418  COM-BSBS  3(3,0)  Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436  COM-BSBS  3(3,0)  Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 5618</td>
<td>COS-BIOL</td>
</tr>
<tr>
<td>BSC 5824</td>
<td>COS-BIOL</td>
</tr>
<tr>
<td>BTE 4410</td>
<td>ED-CFCS</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>BA-ACCT</td>
</tr>
<tr>
<td>BUL 3103H</td>
<td>BA-ACCT</td>
</tr>
<tr>
<td>BUL 4540</td>
<td>BA-MAN</td>
</tr>
<tr>
<td>BUL 5332</td>
<td>BA-ACCT</td>
</tr>
<tr>
<td>BUL 5810</td>
<td>BA-ACCT</td>
</tr>
<tr>
<td>CAP 4053</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 4102</td>
<td>ECS-EECS</td>
</tr>
<tr>
<td>CAP 4104</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 4453</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 4630</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 4720</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5055</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5415</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5510</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5512</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5725</td>
<td>ECS-CS</td>
</tr>
<tr>
<td>CAP 5738</td>
<td>ECS-EECS</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 4004</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 4034</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 4402</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 4810C</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 4813</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 5006</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 5205</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCE 5220</td>
<td>ECS-CECE</td>
</tr>
<tr>
<td>CCJ 3624</td>
<td>HCJ-CJ</td>
</tr>
<tr>
<td>CCJ 3450</td>
<td>HPA-CJ</td>
</tr>
<tr>
<td>CCJ 3451</td>
<td>HPA-CJ</td>
</tr>
<tr>
<td>CCJ 3667</td>
<td>HPA-CJ</td>
</tr>
</tbody>
</table>
CCJ 4035  HPA-CJ  3(3,0)
Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall,Spring.

CCJ 4054  HPA-CJ  3(3,0)

CCJ 4064  HPA-CJ  3(3,0)
Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076  HPA-CJ  3(3,0)
Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analysis tools and information requirement systems employed to assist law enforcement. Occasional.

CCJ 4129  HPA-CJ  3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior Standing) or C.I. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195  HPA-CJ  3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 or Criminal Profiling (Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the legal outcomes of interviews. Fall,Spring.

CCJ 4296  HPA-CJ  3(3,0)
Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361  HPA-CJ  3(3,0)
Death Penalty: PR: Sophomore standing and ENC 1102. This course teaches students an opportunity to examine the death penalty and the criminal justice system. Occasional.

CCJ 4641  HPA-CJ  3(3,0)
Organized Crime: PR: Sophomore standing and ENC 1102. This course teaches students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4644  HPA-CJ  3(3,0)

CCJ 4651  HPA-CJ  3(3,0)
Drugs and Crime: PR: Sophomore standing and ENC 1102. This course teaches students an opportunity to examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall,Spring.

CCJ 4670  HPA-CJ  3(3,0)
Women and Crime: PR: Sophomore standing and ENC 1102. This course teaches students an opportunity to examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall,Spring.

CCJ 4777  HPA-CJ  3(3,0)

CCJ 4811  HPA-CJ  3(3,0)

CCJ 4960  HPA-CJ  3(3,0)
Sex Offenders and the Criminal Justice System: PR: Junior standing and CCJ 3024 and C.I. Study of the nature and causes of forms of domestic violence, pertaining to laws, prevention strategies, and justice system response. Occasional.

CCJ 4964  HPA-CJ  3(3,0)

CCJ 4970  HPA-CJ  3(3,0)
Research Methods in Criminal Justice: PR: CCJ 3014 and CCJ 3024, or C.I. Overview of the social science methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall,Spring.

CCJ 4976  HPA-CJ  3(3,0)
Data Analysis for Criminal Justice: PR: CCJ 3014 or a grade of 'C' (2.0) or better in MAC 1105 or MGF 1106 or higher-level math class, or AA Degree, or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research. May be repeated for credit. Occasional.

CCJ 4934  HPA-CJ  1-3(1-3,0)

CCJ 5015  HPA-CJ  3(3,0)
The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of major dimensions of crime in the U.S.; epidemiology of crime, costs of crime, and typologies of crime and criminal.

CCJ 5456  HPA-CJ  3(3,0)
The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall,Spring.

CCJ 5931  HPA-CJ  3(3,0)
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary criminal justice issues and the reactions of the criminal justice system to those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times.

CCJ 5934  HPA-CJ  1(1,1)
Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times when course content is different.

CDA 3103C  ECS-CS  3(3,1)
Computer Logic and Organization: PR: CDA 3102 with a grade of 'C' (2.0) or better, CR: COT 3100C or MTH 3520 or MTH 3524. Computer architecture, Instruction Set Architecture (IPS), System Design, computer instruction encoding, assembly language programming, software testing. Fall,Spring.

CDA 5106  ECS-CS  3(3,0)
Advanced Computer Architecture: PR: EEL 4765C. Modern processor design, instruction-level parallelism, three-level parallelism, memory hierarchy, and I/O. Fall,Spring.
CET 5383 - Applied Systems Analysis I: PR: CET 3920 or C.I. Study of system analysis, design, development and implementation cycle. Includes Object Oriented Programming (OOP) to implement system programs. Spring.

CET 4427 - Applied Database I: PR: CET 3920 or C.I. An introduction to relational database and design, including data modeling, database design, data integrity, queries, and processing. Spring.

CET 4483 - Intro to Local Area Network Technology: PR: CET 3920 or C.I. An introduction to local area networks, including network architecture, protocols, and network management tools. Fall.

CET 4950 - Advanced Operations Research: I: PR: CET 4940 or C.I. Advanced operations research techniques and applications, including integer programming, dynamic programming, and game theory. Fall.

CET 4748 - Wide Area Networks I: PR: CET 4483 or C.I. Wide area networks, including internet protocols, network design, and security. Fall.


CET 4749 - Wide Area Networks II: PR: CET 4748. Wide area networks, including network design, multi-protocol access. Spring.

CGN 4950 - Computer Architecture Concepts: PR: CET 3920 or C.I. Modern computer architectures, including instruction set architectures, memory systems, and computer software. Spring.

CGN 3051C - Civil Engineering Materials: PR: CET 3920 or C.I. Properties of construction materials, including concrete, bituminous polymers, and composite materials. Fall.

CGN 3700C - Civil Engineering Measurements: PR: CET 3920 or C.I. Measurement of materials and properties in civil engineering, including surveying, GPS, and GIS. Fall.

CGN 4808C - CECE Capstone Design: PR: CET 3920 or C.I. Design and analysis of a complex civil engineering project. Spring.


CGN 5877 - Monitoring for Infrastructure Systems: PR: CET 3920 or C.I. Analysis and design of infrastructure monitoring systems, including SHM for infrastructure systems, and case studies on performance-based evaluation. Fall.

CGS 1060C - ECS-CS - Introduction to Computers: PR: COP 2500C or high level programming course (C, Java, C++, or higher) with a grade of "C" (2.0) or better. Introduction to computer hardware, peripheral devices, and operating systems. Spring.

CGS 4763 - Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C++, or higher) with a grade of "C" (2.0) or better. Introduction to operating systems and system programming. Fall.

CGS 5131 - Computer Fundamentals for Business: PR: COP 2500C or high level programming course (C, Java, C++, or higher) with a grade of "C" (2.0) or better. Principles and techniques of computers and software in business, including business applications, commercial packages, and the internet. Fall.

CGS 4725 - Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C++, or higher) with a grade of "C" (2.0) or better. Introduction to operating systems and system programming. Fall.

CGS 3763 - Operating System Concepts: PR: COP 2500C or high level programming course (C, Java, C++, or higher) with a grade of "C" (2.0) or better. CPU organization, current computer architectures, and relevant programming languages. Spring.
CHI 2200 CAH-LANG 3(3,0) Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall,Spring.

CHI 2201 CAH-LANG 3(3,0) Intermediate Chinese II: PR: CHI 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall,Spring.

CHM 1020 COS-CHEM 3(3,0) Concepts in Chemistry: PR: High school Algebra. Concepts will be examined to provide insight into the significant role that chemistry plays in our culture. Intended as a general education course. Fall,Spring.

CHM 1032 COS-CHEM 3(3,0) General Chemistry: PR: MAC 1105C or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall,Spring.

CHM 1033 COS-CHEM 1(0.3) General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department and may be dropped from the class. Fall,Spring. M&S fee $54.00

CHM 2040 COS-CHEM 3(3,0) Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C or equivalent. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course or CHM 2045C. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry. The "NC" grading policy applies to this course. Fall,Spring. M&S fee $6.00

CHM 2041 COS-CHEM 3(3,0) Chemistry Fundamentals IB: PR: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall. M&S fee $9.00

CHM 2045C COS-CHEM 4(3,1) Honors Chemistry Fundamentals I: PR: A passing score in the Chemistry Placement Exam. Not open to students with credit in both CHM 2040C and CHM 2041C. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measures, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochemistry, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall,Spring.

CHM 2046 COS-CHEM 3(3,0) Chemistry Fundamentals II: PR: C (2.0) grade or better in CHM 2045C or CHM 2041. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Intermolecular forces, solutions and colligative properties, equilibrium, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall,Spring.

CHM 2046C COS-CHEM 4(3,1) Honors Chemistry Fundamentals II: PR: A C (2.0) grade or better in CHM 2045 or CHM 2041. Priority will be given to students whose major requires this course. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Intermolecular forces, solutions and colligative properties, equilibrium, thermodynamics, chemical kinetics, electrochemistry, nuclear chemistry. Fall,Spring.

CHM 2046L COS-CHEM 1(0.3) Chemistry Fundamentals Laboratory: PR: or CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall,Spring. M&S fee $45.00

CHM 2205 COS-CHEM 5(5,0) Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemical functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM 3(3,0) Organic Chemistry I: PR: A C (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall,Spring.

CHM 2211 COS-CHEM 3(3,0) Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall,Spring.

CHM 2211L COS-CHEM 2(0.6) Organic Laboratory Techniques I: PR: CHM 2210 or CHM 2211. Priority will be given to students whose major requires this course. Experimental exercise of quantitative methods of analysis using analytical techniques. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall,Spring. M&S fee $70.00

CHM 3120 COS-CHEM 3(3,0) Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall,Spring.

CHM 3120L COS-CHEM 1(0.3) Analytical Laboratory Techniques I: PR: CHM 2046, CHM 2046L, and MAC 2312. Experimental exercise of quantitative methods of analysis using analytical techniques of organic compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall,Spring. M&S fee $70.00

CHM 3121 COS-CHEM 3(3,0) Organic Chemistry III: PR: CHM 2210 and CHM 2211. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 4930 COS-CHEM 1(1.0) Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall,Spring.

CHM 5225 COS-CHEM 3(3,0) Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. A discussion of organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even Fall.

CHM 5305 COS-CHEM 3(3,0) Applied Biological Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3,0) Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1.5) Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. M&S fee $63.00
CHM 5580 COS-CHEM 3(3,0) Advanced Physical Chemistry: CR: CHM 3411 and PR: MAC 2313, and graduate standing or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 3(2,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4710 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 4(3,1) Principles of Chemistry: PR: One year of high school chemistry or CHM 1002. Basic concepts of chemistry, with emphasis on problem solving, including atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry and thermodynamics. The ‘NC’ grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0) Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy I: CR: Grade of ‘C’ or better in CHS 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $69.00

CHS 3511C COS-CHEM 4(2,6) Trace Evidence: PR: Grade of ‘C’ or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3) Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3) Forensic Analysis of Controlled Substances: PR: Grade of ‘C’ or better in CHM 2211, PR: or CR: CHS 3505C & CHM 3120, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $80.00

CHS 3533 COS-CHEM 2(2.0) Forensic Biochemistry I: PR: CR: ‘C’ or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3532L COS-CHEM 1(0.3) Forensic Science I Laboratory: PR: CR: ‘C’ (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3233L and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1.3) Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3949 COS-CHEM 0(0.8) Cooperative Education in Chemistry: PR: Departmental permission required before registering; Cooperative education experience in chemistry, Graded SU. May be repeated for credit. Occasional.

CHS 4506C COS-CHEM 3(2,3) Forensic Investigation Technology: PR: A grade of ‘C’ or better in CR: Modern technology applied to forensic investigation. Occasional.


CHS 4534C COS-CHEM 3(1,6) Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&S fee $70.00

CHS 4537 COS-CHEM 2(2.0) Forensic Laboratory Quality Assurance: PR: Grade of ‘C’ or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 4541C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3541C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.

CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing or within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.

CHS 4615 COS-CHEM 3(3.0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science MS program or C.I. Principles of forensic science crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Even Spring.

CHS 5504 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. Fall.

CHS 5507 COS-CHEM 3(3,0) Chemometric Applications in Forensic Science: PR: CHS 3504 or C.I. Modern methods of evaluating the evidential value of forensic data from physical evidence, including fibers, glass, ignitable liquids and others. Odd Spring.

CHS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(3,0) The Forensic Expert in the Courtroom: PR: CHS 3333, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Even Spring.

CIS 3003 ECS-CS 3(3,0) Fundamentals of Information Technology: PR: CGS 2545C and COP 3232C each with a grade of ‘C’ (2.0) or better. Course may be applied to Information Technology program, M.S. information technology, or computer science. History of IT, and its related and informing disciplines. Application domains. Applications of math and statistics to IT. Fall.

CIS 3360 ECS-CS 3(3,0) Security in Computing: PR: COP 3223C or EGN 3221 with a grade of ‘C’ (2.0) or better. Security theory, Legal and human factors, Malware, Intrusion patterns and tools, Windows, Unix, TCP/IP, and applications vulnerabilities, Detection, Policies and enforcement. Protection and assurance. Occasional.

CIS 3362 ECS-CS 3(3,0) Cryptography and Information Security: PR: COP 3223C or EGN 3221, and MAC 1114C each with a grade of ‘C’ (2.0) or better. Encryption algorithms and their applications, Access control, Cryptographic systems, Key infrastructure, Authentication, confidentiality, integrity, and nonrepudiation. Digital signatures and certificates. Hash and digest algorithms. Standards. Occasional.

CIS 3921 ECS-CS 1(1.0) Careers in IT: PR: COP 3223C and IT major. An overview of the IT field, job opportunities and careers in information technology, detailed information about some jobs as well as a broad survey. Fall, Spring.

CIS 3990 ECS-CS 0(0,0) IT Career and Academic Advising I: PR: PHY 2053C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CIS 4004 ECS-CS 3(3,0) Web-Based Information Technology: PR: CNT 3004 and COP 3333 each with grades of ‘C’ (2.0) or better. Concepts in web applications, web technologies, database, HTML, and CSS. Spring.

CIS 4203C ECS-EECS 2(2,2) Digital Forensics: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Operating system forensics, digital video forensics, networking forensics, various digital devices forensics. User activity profiling and digital storage recovery. Fall.

CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: CIS 3360 with a grade of ‘C’ (2.0) or better. Required for the computer security concentration and the software engineering concentration. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4524 ECS-CS 3(3,0) Managing IT Integration: PR: CIS 3003 with a grade of ‘C’ (2.0) or better. Requirements, acquisition and sourcing. Integration. Project management. Testing and QA. Spring.

CIS 4615C ECS-CS 3(3,1) Secure Software Development and Assurance: PR: (COP 4600 or CGS 3763) and (CIS 3360 or CIS 3362) or C.I. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4940C ECS-EECS 1(1,3) Topics in Cybersecurity: PR: CIS 3360 or C.I. A directed and supervised investigation of selected problems, issues, and trends in cybersecurity, with emphasis on laboratory simulations of system penetration methods and network defense strategies. Spring.

CIS 4991 ECS-CS 0(0,0) IT Career and Academic Advising II: PR: CIS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.

CJC 3134 PA-CJ 3(3,0) Principles and juries: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.
UFC Courses and Descriptions

CJC 3164  HPA-CJ  3(3,0)
Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410  HPA-CJ  3(3,0)
Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3010. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020  HPA-CJ  3(3,0)
Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Porells an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 3001  HPA-CJ  3(3,0)
Careers in Criminal Justice: PR: Sophomore Standing and ENC 3010. Introductory course with focus on the need for a career in the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.

CJE 3444  HPA-CJ  3(3,0)

CJE 3662  HPA-CJ  3(3,0)
CJ Information Technology and Data Management: PR: (Sophomore Standing and COS 100C) or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.

CJE 4012  HPA-CJ  3(3,0)
Criminal Profiling in Criminal Justice: PR: CCJ 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines the theoretical and empirical aspects of criminal profiling. Fall, Spring.

CJE 4014  HPA-CJ  3(3,0)
Police and Society: PR: CCJ 3024 or C.I. An examination of the various roles the police play in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174  HPA-CJ  4(4,0)
Comparative Justice Systems: PR: CCJ 3024 and CJL 3110. A study of contemporary foreign criminal justice systems and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352  HPA-CJ  3(3,0)
Policing Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410  HPA-CJ  3(3,0)
Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the daily operations required by community policing. Occasional.

CJE 4572  HPA-CJ  3(3,0)

CJE 4610  HPA-CJ  3(3,0)
Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation certificate declared) or C.I. Course acquaints students with basic procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJE 4630  HPA-CJ  3(3,0)
Serial Murder and Criminal Justice: PR: Junior Standing and ENC 1102 or C.I. Study of extent, types, and explanations of serial murder, and response of the general public, law enforcement, and prosecution. Occasional.

CJE 4654  HPA-CJ  3(3,0)

CJE 4663  HPA-CJ  3(3,0)

CJE 5021  HPA-CJ  3(3,0)
Foundations of Law Enforcement: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.I. Examines police role in modern society and law enforcement policy. Occasional.

CJL 3110  HPA-CJ  3(3,0)
Criminal Law in Action: PR: Sophomore Standing and ENC 1102. Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510  HPA-CJ  3(3,0)
Prosecution and Adjudication: PR: CCJ 3024 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010  HPA-CJ  3(3,0)
Legal Aspects of Policing: PR: CJE 4014. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures; stop and frisk; and, interrogations. Occasional.

CJL 4046  HPA-CJ  3(3,0)
Liability Issues in Criminal Justice: PR: CCJ 3024 or C.I. Student of fundamental concepts found in civil law with an emphasis on civil liability regarding criminal justice practices. Occasional.

CJL 4410  HPA-CJ  3(3,0)
Legal Aspects of the Criminal Court Process: PR: CJLS 3110 or C.I. Legal dimension of various criminal court decision making stages, including: bail; charging; preliminary hearing; grand jury; pretrial hearings plea; trial; and, sentencing. Occasional.

CJL 4514  HPA-CJ  3(3,0)

CJL 5049  HPA-CJ  6(6,0)
International Perspectives on Law and Justice: PR: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803  HPA-CJ  3(3,0)
Security Management: PR: SCC 3311 or C.I. Examination of a global security management environment in which the private security industry is impacted by downsizing a dramatically changing work force, religious extremism/terrorism, technological revolution and other challenges. Occasional.

CJT 3821  HPA-CJ  3(3,0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJT 4843  HPA-CJ  3(3,0)
Risk Management in Criminal Justice/Private Security: PR: SCC 3311 or C.I. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004  COS-PSYCH  3(3,0)

CLP 3143  COS-PSYCH  3(3,0)

CLP 3143H  COS-PSYCH  3(3,0)

CLP 3184  COS-PSYCH  3(3,0)
Women's Mental Health: PR: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302  COS-PSYCH  3(3,0)
Clinical Psychology: PR: CLP 3143. An overview of psychological tests, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413  COS-PSYCH  3(3,0)
Contemporary Behavior Therapy: PR: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467  COS-PSYCH  3(3,0)
Interpersonal Effectiveness and Group Psychotherapy: PR: PSY 2012. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134  COS-PSYCH  3(3,0)
Childhood Psychopathology: PR: PSY 2012, CLP 3143, DEP 204C. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. Fall, Odd Spring.

CLP 4314  COS-PSYCH  3(3,0)
Health Psychology: PR: PSY 2012. Interactions between psychosocial and physical conditions, in prevention, diagnosis, intervention and health care delivery policy planning. Course will cover empirical phases for prevention, assessment and intervention approaches for these focal areas: cancer, chronic heart disease, diabetes, HIV disease, pain and stress. Occasional.

CLP 4390  COS-PSYCH  3(3,0)

CLP 5166  COS-PSYCH  3(3,0)
Advanced Abnormal Psychology: PR: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187  COS-PSYCH  3(3,0)
Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370  CAH-PHIL  3(3,0)
Classical Mythology: PR: Any HUM course or C.I. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.
Occasional. topics and contexts that human communication scholars
Exploring Human Communication:
PR: Either
Introduction to Communication:
Network Science:
PR: IDC 5602 or C.I.
Enterprise Computing:
PR: CGS 3290, or C.I.
Analysis of Computer Communication Networks:
PR: COT 3100C or MAD 2104 and STA 2123 or grades of "C" (2.0) or better. Network design using
Computer Mediated Communication:
PR: CGS 3500C or MAD 2104, COT 3330 and COT 3507C all with a grade of "C" (2.0) or better. Better. Better. Better. Better.
Communication Technology, and Change:
Role of Motivation in Communication:
Conflict Communication Research Methods:
Conflict Communication Theories of Interpersonal
Communication:
Conflict & Communication Context:
PR: COT 3330 or MAD 2104, COT 3330 and COT 3507C all with a grade of "C" (2.0) or better. Better. Better. Better.
Cybernetics in Communication:
PR: PR: PR: PR:
Computer Network Concepts:
PR: CR: PHY 2054C with a grade of "C" (2.0) or better and CIS 3960. Network
Network Security and Privacy:
PR: CNT 3004 or CEE 4781 or CNT 4704 and (CIS 3360 and CIS 3362) all with a grade of "C" (2.0) or better or C.I. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.
System Administration and Maintenance:
PR: CNT 4603
PR: PR: PR: PR:
Design and Implementation of Computer Communication Networks:
PR: CNT 4703C
Analysis of Computer Communication Networks:
PR: CNT 4704
Computer Communication Networks:
PR: CNT 5008
Systematic study of communication systems and the implementation of systems and applications installation, configuration, and maintenance, including client-server services, content management and deployment, server administration and management, and user/group management. Fall, Spring.
Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
Systematic study of interpersonal, public, and professional contexts. Fall, Spring.
COP 2500C  ECS-CS  3(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, and analysis of algorithms with emphasis on the use of C and libraries in CS. permission of Honors in Computer Science majors. Fall, Spring.

COP 3223C  ECS-CS  3(3,1)
Introduction to Programming with C: Programming in C including arrays, pointers, and use of standard C math and I/O libraries. With Honors content. Fall, Spring.

COP 3223H  ECS-CS  3(3,0)
Honors Introduction to Programming with C: Programming in C including arrays, pointers, and use of standard C math and I/O libraries. With Honors content. Fall.

COP 3330  ECS-CS  3(3,0)
Object Oriented Programming: PR: COP 3223C or EGN 3211 with a grade of “C” (2.0) or better. Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of the development of computer programs in the programming languages such as JAVA, C++, or PASS.

COP 3402  ECS-CS  3(3,0)
Systems Software: PR: CDA 3103C and COP 3502C each with a grade of “C” (2.0) or better. Design and development of assembly, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 3503C  ECS-CS  3(3,1)
Computer Science I: PR: COP 3223C or EGN 3211 and MAC 1105C all with a grade of “C” (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3502H  ECS-CS  3(3,0)
Honors Computer Science I: PR: Permission of Honors and COP 3223C or EGN 3211 and MAC 1105C all with a grade of “C” (2.0) or better. Problem solving techniques, order analysis and notation, abstract data types, and recursion. Fall, Spring.

COP 3503C  ECS-CS  3(3,1)
Computer Science II: PR: COP 3502C and COP 3330 and (MAD 2104 or COP 3100C) all with a grade of “C” (2.0) or better. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis. Fall, Spring.

COP 4020  ECS-CS  3(3,0)
Programming Languages I: PR: COP 3503C with a grade of “C” or better and COP 3402. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.

COP 4331C  ECS-CS  3(3,1)
Processes for Object-Oriented Software Development: PR: COP 3503C with a grade of “C” (2.0) or better and COP 3960 (CS majors). Concepts, principles, processes and methods for developing large software systems featuring a team project using object-oriented design in UML and implementation in C++. Fall, Spring.

COP 4516C  ECS-CS  3(1,3)
Problem Solving Techniques and Team Dynamics: PR: COP 3503C with a grade of “C” (2.0) or better. Design and implement solutions to problems requiring the application of the different algorithmic team project format. Occasional.

COP 4520  ECS-CS  3(3,0)
Concepts of Parallel and Distributed Processing: PR: COP 3402 and COP 3503C each with a grade of “C” (2.0) or better and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4600  ECS-CS  3(3,0)
Operating Systems: PR: COP 3503C and COP 3502C (CS majors) each with a grade of “C” (2.0) or better and COP 3960 (CS majors). Function and organization of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

COP 4710  ECS-CS  3(3,0)
Data Structures: PR: COP 3503C with a grade of “C” (2.0) or better. Storage and access Structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

COP 4910  ECS-CS  3(3,0)
Frontiers in Information Technology: PR: CNT 4603 with a grade of “C” (2.0) or better. Course: COT 4703C and CJS 4961. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Fall, Spring.

COP 4924  ECS-CS  3(3,0)
Senior Design I: PR: COP 3402 and COP 3503C each with a grade of “C” (2.0) or better and consent of Department of ECS; CR: ECS 4331C. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 4935  ECS-CS  3(3,0)
Senior Design II: PR: COP 4034 with a grade of “C” (2.0) or better. Students work in teams to demonstrate their knowledge of computer science and apply it to realistic and meaningful problems. Fall, Spring.

COP 5021  ECS-CS  3(3,0)
Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

COP 5537  ECS-CS  3(3,0)
Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611  ECS-CS  3(3,0)

COP 5621  ECS-CS  3(3,0)
Compiler Construction: PR: COP 4020 and COP 4210. Techniques in the design and implementation of compilers. Optimization, code generation, error recovery, and logic programming. A project is required. Odd Fall.

COP 5711  ECS-CS  3(3,0)
Parallel and Distributed Database Systems: PR: COP 4710. Storage management, implementation techniques for parallel DBMSs, distributed DBMSs, architectures, distributed database design, query processing, multidatabase systems. Occasional.

COT 3100C  ECS-CS  3(3,1)
Introduction to Discrete Structures: PR: MAC 1105C and MAC 1114C each with a grade of “C” (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Fall, Spring.

COT 3100H  ECS-CS  3(3,0)
Honors Introduction to Discrete Structures: PR: Permission of Honors and MAC 1105C and MAC 1114C each with a grade of “C” (2.0) or better. Logic, sets, functions, relations, combinatorics, graphs, Boolean algebra, finite-state machines, Turing machines, unsolvability, computational complexity. Occasional.

COT 3960  ECS-CS  0(1,0)
Junior Foundation Exam: PR: COP 3502C and COP 3100C each with a grade of “C” (2.0) or better. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded SU. Fall, Spring.

COT 4210  ECS-CS  3(3,0)
Discrete Structures II: PR: COP 3503C with a grade of “C” (2.0) or better and COT 3960. Computation Theory. A study of the properties of grammars and automata as formal specifications for algorithms and families of languages. Fall, Spring.

COT 4400  ECS-CS  3(3,0)

COT 4500  ECS-CS  3(3,0)

COT 4810  ECS-CS  3(3,0)
Topics in Computer Science: PR: COP 3402 and COP 3503C each with a grade of “C” (2.0) or better and COT 3960. A range of topics from the field of Computer Science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5405  ECS-CS  3(3,0)

CPO 3034  COS-POLS  3(3,0)
Politics of Developing Areas: PR: INR 2002 or C.I. Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3057  COS-POLS  3(3,0)
Comparative Revolution and Political Violence: PR: ENC 1102 or POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3103  COS-POLS  3(3,0)
Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the 20th century. Odd Spring.

CPO 3132  COS-POLS  3(3,0)
Middle East Politics: PR: POS 2041 or C.I. An examination of the political and economic dynamics of the Middle East and North Africa. Odd Spring.

CPO 3403  COS-POLS  3(3,0)
Politics of the Middle East: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dimensions of the Middle East and North Africa. Even Fall.
CPO 3614 COS-POLS
Politics of Eastern Europe: PR: ENC 1102 or POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4062 COS-POLS
Comparative Judicial Process: PR: ENC 1102 or POS 2041 or C.I. Study of courts and judges in cross national context. Focus upon judicial recruitment, decisional patterns, and policy outcomes. Occasional.

CPO 4074 COS-POLS
Political Economy: PR: ENC 1102 or POS 2041 or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4101 COS-POLS
Politics of the European Union: PR: ENC 1102 or POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123 COS-POLS
Government and Politics of Great Britain: PR: ENC 1102 or POS 2041 or C.I. A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain's foreign policy and European role will be discussed. Even Spring.

CPO 4303 COS-POLS
Comparative Latin American Politics: PR: ENC 1102 or POS 2041 or C.I. Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Even Fall.

CPO 4445 COS-POLS
Comparative Political Parties: PR: ENC 1102 or POS 2041 or C.I. Theories of the formation, structures, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.

CPO 4514 COS-POLS
Politics of East Asia: PR: ENC 1102 or POS 2041 or C.I. Major trends in political, economic, and socio-cultural aspects in the East Asian region. Occasional.

CPO 4541 COS-POLS
Chinese Politics: PR: ENC 1102 or POS 2041 or C.I. China's political development since 1949. Occasional.

CPO 4553 COS-POLS
Politics of Japan: PR: ENC 1102 or POS 2041 or C.I. Evolution of the Japanese political system and how domestic and international politics influence the functioning of the Japanese economy. Occasional.

CPO 4643 COS-POLS
Government and Politics of Russia: PR: ENC 1102 or POS 2041 or C.I. Study of the origins, institutions, and functioning of the Russian system, including the lingering influence of the old order on domestic and foreign policy. Occasional.

CPO 4710 COS-POLS
Women in Comparative Politics: PR: ENC 1102 or POS 2041 or C.I. A cross-national perspective on women and politics; how women behave politically in various political and economic contexts. Occasional.

CPO 4731 COS-POLS
Politics of Democratization: PR: POS 2041 or ENC 1102 or IPR 2002 or Junior standing or C.I. Develops comparative perspectives and analytical skills on issues of democratization and regime change. Occasional.

CPO 4754 COS-POLS
Comparative Political Institutions: PR: ENC 1102 or POS 2041 or C.I. The course analyses major types of political institutions from a comparative perspective including electoral laws, division of power, types of democracy, federalism, and the judiciary. Occasional.

CPO 4784 COS-POLS
Political and Economic Inequality in Comparative Perspective: PR: ENC 1102 or POS 2041 or C.I. Economic and political inequality and the nature of the link between them across countries with different political and economic institutions. Occasional.

CPO 4794 COS-POLS
Indigenous Politics and the Environment: PR: POS 2041 or C.I. Examination of environment specific to indigenous peoples around the world. Occasional.

CRW 3010H CAH-ENG
Honors Creative Writing: PR: Consent of Honors. Theory and techniques of literary genres with honors level content; practice and critique of original writing by peers and critical reading of established authors. Occasional.

CRW 3011 CAH-ENG
Creative Writing for Non-Majors: PR: Grade of C (2.0) or better required in ENC 1102. Only open to non-majors. The techniques of literary genres; the practice and critique of original work by peers; critical reading of established authors. Designed for non-majors. Not open to students with credit in CRW 3103. Fall, Spring.

CRW 3013 CAH-ENG
Creative Writing for English Majors: PR: English major or minor and grade of C (2.0) or better required in ENC 1102, or C.I. Literary genres; practice and critique of peer writing; critical reading of established authors. Fall, Spring.

CRW 3053 CAH-ENG
Theory & Practice of Creative Writing: PR: English major or minor and a grade of “C” (2.0) or better in ENC 1102 or POS 2041 or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3120 CAH-ENG
Fiction Writing Workshop: PR: English major or minor; junior standing; and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level fiction writing workshop for English majors; group analysis and criticism; close reading of contemporary fiction and fiction theory. Fall, Spring.

CRW 3211 CAH-ENG
Creative Nonfiction Writing: PR: English major or minor; junior standing; and grade of C (2.0) or better required in CRW 3133 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

CRW 3310 CAH-ENG
Poetry Writing Workshop: PR: English major or minor, junior standing; and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 CAH-ENG
Creative in Poetry for Creative Writing: PR: English major or minor, junior standing, and grade of “C” (2.0) or better required in CRW 3133 and CRW 3053, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG
Literary Magazines: PR: English major or minor and grade of “C” (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG
Writing Scripts: PR: English major or minor and grade of “C” (2.0) or better required in CRW 3133 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Fall, Spring.

CRW 3713 CAH-ENG
Writing for Video Games: PR: English major or minor and grade of “C” (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Basic theories and practices associated with game design. Students learn effective writing techniques for developing original video games. Occasional.

CRW 3950 CAH-ENG
Cypress Dome Editorship: PR: C.I. Responsibility for design of The Cypress Dome-UCF’s student literary journal. May be used in the degree program a maximum of 2 times. Fall, Spring.

CRW 4014 CAH-ENG
The Writing Life: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4122 CAH-ENG
Advanced Fiction Writing Workshop: PR: English major or minor and grade of “C” (2.0) or better required in CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG
Science Fiction Writing: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3120, or C.I. A study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG
Advanced Nonfiction Workshop: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3120, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4320 CAH-ENG
Advanced Poetry Writing Workshop: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4616 CAH-ENG
Advanced Screenwriting Workshop: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG
Editing for Creative Writers: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3133, CRW 3010, or C.I. Overview of editing processes, the history and future of editing, issues and areas of literary and trade book publishing, and style through grammar and syntax. Occasional.

CRW 4724 CAH-ENG
The Florida Review: PR: English major or minor, junior standing, and a grade of “C” (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with all aspects of Florida Review publishing, editing, and production in conjunction with this national journal. May be used in the degree program a maximum of 2 times. Fall, Spring.

CRW 4804 CAH-ENG
Creative Writing in the Community: PR: English major or minor, and grade of “C” (2.0) or better required in CRW 3013, CRW 3053, and at least one of CRW 3010, CRW 3120, CRW 3133, CRW 3110, or CRW 3610 or C.I. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG
Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Students work on their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 5 times. Fall, Odd Spring.
CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Admission to Creative Writing MA or C.I. Formal and theoretical study of creative writing of given genres (poetry, short fiction, etc.). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CWR 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 3302, EGN 3310 both with a grade of "C" (2.0) or better; CR: EGN 3311. Fundamentals of fluid mechanics with hydraulic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall,Spring.

CWR 4120 ECS-CECE 3(3,0) Hydraulics: PR: CRW 4202C and STA 3023 both with grades of "C" (2.0) or better. Occurrence, distribution, and properties of fresh water on Earth and movement via physical processes. Application of hydrology, fluid mechanics, and computation to water resources. Fall,Spring.

CWR 4124 ECS-CECE 3(3,0) Hydrogeology: PR: CRW 4202C and CEG 4011C both with grades of "C" (2.0) or better. Fundamentals of subsurface flow and transport, role of groundwater in the hydrologic cycle, relation of groundwater flow to geologic structure, and management of contaminated groundwater. Spring.

CWR 4202C ECS-CECE 3(3,2) Hydraulics: PR: CRW 3201 with a grade of "C" (2.0) or better. Application of basic principles of fluids at rest and in motion to analysis and design of hydraulic systems. Empirical relationships for practical engineering problems. Fall,Spring.

CWR 4632C ECS-CECE 4(3,2) Water Resources Engineering I: PR: STA 3023 and C2 3021 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures for stormwater management. Fall,Spring. M&S fee $21.00.

CWR 4633C ECS-CECE 3(3,2) Water Resources Engineering II: PR: CRW 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydraulic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall,Spring.

CWR 4812C ECS-CECE 3(2,2) Water Resources Design: PR: CRW 4120 with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall,Spring. M&S fee $15.00.

CWR 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CRW 4633C or C.I. Theory of groundwater, groundwater storage, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.

CWR 5205 ECS-CECE 3(3,0) Hydraulic Engineering: PR: CRW 4633C or C.I. Concepts of fluid mechanics and hydrodynamics applied to natural and man-made flow of intent to civil and environmental engineering. Occasional.

CWR 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CRW 4633C or C.I. This course will prepare students to be able to develop and use numerical methods as a part of their professional careers. Opportunities for collaborative research include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.
C.I. Compositions, editing, and manipulation of digital imagery using Adobe Photoshop, including layering, typographic design, and working with images. Fall, Spring.


DIG 3153C CAH-SVAD 3(3,0) Writing for Digital Media: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of “B” (3.0) in DIG 2000. Understanding of digital cultures and narrative theory from an interdisciplinary perspective. Conceptual structure and design of visual and interactive storytelling. Fall, Spring.

DIG 3171C CAH-SVAD 3(3,0) Tools for Digital Humanities: PR: ENC 1102 or C.I. Examination of digital tools and techniques, including web and games, used for projects and research in digital humanities. Occasional.

DIG 3253C CAH-SVAD 3(2,2) Digital Media Audio: PR: DIG 3480. Audio production processes for multimedia and new media production, including examination and use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-SVAD 3(2,2) Artificial Environments and Effects: PR: DIG 2109 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall, Spring.

DIG 3362C CAH-SVAD 3(2,2) Artistry of Character: PR: DIG 2109 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall, Spring.


DIG 3450C CAH-SVAD 3(2,2) Interactive Performance I: PR: Admission by audition only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-SVAD 3(3,0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors content. Occasional.


DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 2030, DIG 2109, DIG 2500, and a minimum grade of “B” (3.0) in DIG 2000. Media design and execution. Group dynamics. Software tools for project planning, scheduling, and management. Fall, Spring.


DIG 3554C CAH-SVAD 3(3,0) Digital Tools and Techniques: Web Design: PR: Grade of “C” (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(2,2) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets from both technical and fiduciary aspects with a view towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480. Front end planning and design of web pages. Design using mark up languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.


DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134, DIG 3176, DIG 3563, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.

DIG 4204C CAH-SVAD 3(2,2) Generating and Manipulating Digital Imagery: PR: DIG 2030, DIG 2109, and DIG 2500; or C.I. CR: DIG 3951. Core techniques for creating and manipulating second and third digital representations. Fall, Spring.

DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4232C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 441C or C.I. Application of techniques taught to model, rig, and prepare artificial characters so that they may be animated effectively and express narrative for digital production. Fall.

DIG 4324C CAH-SVAD 3(2,2) Modeling for Realtime Systems II: PR: DIG 4324C or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4325C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques, mechanics of designing, developing finished look emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C Visual Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometrical representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4345C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4232C, successful portfolio review, or C.I. Advanced tools, concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3362C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4323C or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses.

DIG 4394CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4359C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as pertaining to 3D Content. Spring.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: MAC 1105C, and DIG 3480 or TPA 2201; or C.I. Develop creative skills, learn the theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(1,4) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques, mechanics of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3,0) Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques taught to design, create, and refine visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.
UCF Courses and Descriptions

DIG 4503 CAH-SVAD 3(3,0)

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3035. Practicum in which students utilize their digital media skills to create media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0)
Digital Media Production II: PR: DIG 3529 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, including current methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2)
Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4)
Digital Production in Artificial Environments: PR: DIG 4539C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, time, and mood to help express a narrative for digital production. Fall.

DIG 4630C CAH-SVAD 3(2,2)
Media Business Practices: PR: DIG 3525. Media business practices for working with interactive web sites and other media interfaces. Core skills related to e-commerce and other forms of dynamic media. Fall, Spring.

DIG 4693C CAH-SVAD 3(2,2)
Production Software Workshop: PR: DIG 3134C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including DHTML, input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704 CAH-SVAD 3(3,0)
Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0)
Game Design: PR: DIG 3024, DIG 3525 and declared Game Design Track. Principles and theories of video game design, artmaking, sound design, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2)
Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2)
Casual Game Production: PR: DIG 2500, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2)
Game Design Workshop: PR: DIG 4715C, FIL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4780C CAH-SVAD 3(2,2)

DIG 4855 CAH-SVAD 3(3,0)
Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototype, development, marketing and assessment parallelizing the business world. Even Fall, Even Spring.

DIG 5045C CAH-FIEA 3(1,3)
Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C CAH-FIEA 3(1,3)
Principles of Interactive Entertainment II: PR: DIG 5045C or C.I. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137 CAH-SVAD 3(3,0)
Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5487 CAH-SVAD 3(3,0)
Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognition of imagery. Fall.

DIG 5529C CAH-FIEA 3(1,3)
Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C CAH-FIEA 3(1,3)
Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549 CAH-FIEA 3(3,0)
Experimentation, Application, and Innovation in Games: PR: DIG 5529C or C.I. Survey and development of games being used in non-traditional applications, such as medical simulation, education and research. Spring.

DIG 5565C CAH-SVAD 3(1,3)

DIG 5637 CAH-FIEA 3(3,0)
Game Programming Fundamentals: PR: Admission to FIEA M.S. in Interactive Entertainment program or C.I. An introduction to real-time game programming fundamentals, including computer architecture and low-level programming and optimization. Specific attention to game consoles and cross-platform software development. Fall.

DIG 5810 CAH-SVAD 3(3,0)
Ways of Seeing: Cultural and Technological Perspectives: PR: Admission to Film and Digital Media master’s program or C.I. Cultural and technological perspectives formed by the intersection of media and cultural studies, art history and criticism, and cinema studies. Fall.

DIG 5875C GRDST-INTERDIS 3(2,2)
Introduction to Modelling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modelling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

DIG 5876 GRDST-INTERDIS 3(3,0)
Quantitative Aspects of Modelling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

DSC 4012 HPA-CJ 3(3,0)
Terrorism: PR: Sophomore Standing and ENC 1102. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.

DSC 4013 HPA-CJ 3(3,0)

EAB 3703 COS-PSYCH 4(4,0)
Principles of Behavior Modification: PR: PSY 2102. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Fall.

EAB 3706 COS-PSYCH 4(4,0)
Behavior Modification - Part II: PR: EAB 3703C. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765 COS-PSYCH 3(3,0)
Applied Behavior Analysis with Children and Youth: PR: Graduate standing or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAP 1850 CAH-LANG 6(6,0)
English for Academic Purposes I: PR: Admission to the Global Achievement Academy (GAA). Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAP 2851 CAH-LANG 3(3,0)
English for Academic Purposes II: PR: Admission to the Global Achievement Academy (GAA) and a grade of "C" (2.0) or higher in EAP 1850 or consent of Global Achievement Academy. Development of academic skills for international students. Topics include academic reading and vocabulary development; listening and note-taking; and writing practice and oral communication. Fall, Spring.

EAS 3010 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerospace Flight: PR: EGN 3211 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAD 2312 and PHY 2048C. CR: EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics, atmospheric boundary layer, external and internal flows, airplane performance. Fall.

EAS 3101 ECS-MECH/AERO 3(3,0)
Fundamentals of Aerodynamics: PR: EML 3701. Viscous, incompressible fluid flow; flow over finite wings; aerodynamic design; introduction to computational fluid dynamics. Spring.

EAS 3530 ECS-MECH/AERO 3(3,0)

EAS 3800C ECS-MECH/AERO 3(2,3)

EAS 3810C ECS-MECH/AERO 3(1,3)

EAS 3933 ECS-MECH/AERO 0(0,0)
Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising, Graduated S.U. Fall, Spring.

UNIVERSITY OF CENTRAL FLORIDA 472 Undergraduate Catalog 2016-2017
EAS 4105 ECS-MECH/AERO (3,0) Flight Mechanics: PR: EAS 3101; CR: EML 4225. Analytical design, performance and static and dynamic stability and automatic control systems. Fall.

EAS 4134 ECS-MECH/AERO (3,0) High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, and boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MECH/AERO (3,0) Rotorcraft Aerodynamics: PR: EAS 3010. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. Occasional.

EAS 4200 EEC-MECH/AERO (3,0) Analysis & Design of Aerospace Structures: PR: EGM 3801. Aerospace structures and components, loads, bending, axial loading, columns and closed section beams, structural idealization, analysis of fuselage and wing sections, structural instability (buckling) of columns and monocoque cylinders. Fall.

EAS 4300 ECS-MECH/AERO (3,0) Aerothermodynamics of Propulsion Systems: PR: EAS 3800C. Fundamental analysis and design considerations of propulsion systems. Turbogears, ramjets and rockets. Spring.

EAS 4400 EEC-MECH/AERO (3,0) Spacecraft Attitude Dynamics: PR: EML 4312C or EML 4425. Kinematics and dynamics of rigid and multibody spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.

EAS 4404C EEC-MECH/AERO (3,2,3) Discrete Control in Aerospace Vehicles: PR: EAS 3800C, and (EAS 4210 or EML 4312C) or (EML 4225 and EML 4313). Discrete control aspects of aerospace vehicles, digital controller design, state-space representation, Z-transform, system response. Spring. M&S fee $15.00

EAS 4505 ECS-MECH/AERO (3,0) Orbital Mechanics: PR: EGM 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.


EAS 4703C ECS-MECH/AERO (3,2,4) Small Satellite Design and Integration: PR: EML 3300C or EAS 3800C or EEL 4851C or ESI 4623. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&S fee $45.00

EAS 4710C ECS-MECH/AERO (3,1,6) Aerospace Design II: PR: EAS 4700C, EAS 4931. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee $60.00

EAS 4931 EEC-MECH/AERO (0,0) Aerospace Career and Academic Faculty Advising I: PR: EAS 3933 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EAS 5211 EEC-MECH/AERO (3,0) Aerelasticity: PR: EAS 3101 or EML 3701 and EAS 4210 or EML 4220. Concerned with consequences and trade-offs created by interactions between aerodynamic forces and structural deformation. Static aeroelastic problems; control effectiveness; lift effectiveness; divergence. Dynamic aerelasticity; flutter and vibration. Occasional.


EAS 5535 EEC-MECH/AERO (3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Application of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.


ECO 2013 BA-ECON (3,0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H BA-ECON (3,0) Honors Principles of Economics: Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

ECO 2023 BA-ECON (3,0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H BA-ECON (3,0) Honors Principles of Microeconomics: PR: Permission of Honors. Same as ECO 2023 with honors-level content. Fall, Spring.

ECO 2303 BA-ECON (3,0) Intermediate Macroeconomics: PR: ECO 2013 and ECO 2401. Theoretical study of the behavior of households, firms, and the markets in which they operate with issues and applications. Fall, Spring.

ECO 3203 BA-ECON (3,0) Intermediate Macroeconomics: PR: ECO 3101 or ECO 3401. Theoretical study of the behavior of the economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.


ECO 3401 BA-ECON (3,0) Quantitative Business Tools I: PR: MAC 1105C with a "C" (2.0) or better. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.


ECO 3411 BA-ECON (3,0) Quantitative Business Tools II: PR: ECO 3401 with a grade of "C" (2.0) or better. The use of statistical methods as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3703 BA-ECON (3,0) International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade's impact on global resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.


ECO 4400 BA-ECON (3,0) Game Theory and Economics: PR: ECO 3101. A study of the strategic decision-making of parties having competing, colluding, or mixed, or similar interests. Fall.

ECO 4412 BA-ECON (3,0) Econometrics: PR: ECO 3103, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. Even Fall.

ECO 4504 BA-ECON (3,0) Public Economics: PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. Occasional.

ECO 4713 BA-ECON (3,0) International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Graded S/U.

ECO 4715I BA-ECON (3,0) Law and Economics: PR: ECO 2013 and ECO 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4902 BA-ECON (3,0) Capstone in Economics: PR: ECO 3103 or ECO 3203 and ECO 3411. Senior Seminar. Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded S/U. Fall, Spring.

ECO 4992 BA-ECON (3,0)
ECO 4934  BA-ECON  3(3,0)  Topics in Econometrics: PR: ECO 4412. Emphasis on international topics in linear and nonlinear econometric models. Spring.

ECO 4941  BA-ECON  3(3,0)  Economics Internships: PR: Consent of department chair, ECO 3101, and ECO 3303. Supervised economies-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. Fall, Spring.

ECP 3004  BA-ECON  3(3,0)  Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 times. Occasional.

ECP 3006  BA-ECON  3(3,0)  Economics of Sports: PR: ECO 2023. Microeconomics is used to evaluate and analyze the business and practice of sports including the structure and conduct of sports leagues, revenue sharing and other forms of cooperation, labor markets and compensation for professional athletes, high finance and of sport facilities, and sports in the not-for-profit sector. Fall.

ECT 3203  BA-ECON  3(3,0)  Labor Economics: PR: ECO 3101 or ECO 4703. The analysis of labor problems and issues in a dynamic contemporary economy through the interaction of the four major institutions: households, firms, government, and unions. Occasional.


ECT 4303  BA-ECON  3(3,0)  Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECT 4403  BA-ECON  3(3,0)  Industrial Organization: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall.

ECT 4530  BA-ECON  3(3,0)  Health Economics: PR: ECO 3101. Analysis of the market for health and the derived market for health care using intermediate micro-economic modeling. Fall.

ECT 4703  BA-ECON  3(3,0)  Managerial Economics: PR: Admission to the Integrated Business major. Applies economic theory, principles, and techniques to business decision making. Students improve critical thinking skills and learn analytical tools needed to address key business issues. Fall, Spring.

ECS 4013  BA-ECON  3(3,0)  Development Economics: PR: ECO 2013 and ECO 2603. Study the problems, theories, and issues of economic development in the global economy. Fall, Spring.

ECT 3062  ED-CFCS  3(3,0)  Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introduction into career and technical education teaching and the transition from industry to education. Occasional.


ECT 3367  ED-CFCS  3(3,0)  Evaluation of Career & Technical Education Instruction: PR: ECT 3365 or C.I. Assessing student cognitive, affective, and psychomotor performance in the technical environment. Spring.

ECT 3371  ED-CFCS  3(3,0)  Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

ECT 4004  ED-CFCS  3(3,0)  Principles and Practices of Technical Education: PR: ECT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

ECT 4184  ED-CFCS  3(3,0)  Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the training analysis tasks. Spring.

ECT 4384  ED-CFCS  3(3,0)  Advanced Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing techniques including cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. Fall.

ECT 4815  ED-CFCS  3(3,0)  Safety in the Technical Education Classroom and Laboratory: PR: ECT 3365 or C.I. Federal regulations, safety practices, guidance, and support for materials for technical trainers and teachers in school and industrial settings. Occasional.

ECT 3312  ED-CFCS  3(3,0)  Course Construction in Health Occupations Education: PR: ECT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECT 3564  ED-CFCS  3(3,0)  Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.


ECT 5265  ED-CFCS  2-4(2-4,0)  Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational education programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECT 5561  ED-CFCS  2-3(2-3,0)  Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills needed to integrate arts and wellness into the elementary school curriculum. Fall, Spring.

EDE 2280  ED-TL&L  3(3,0)  Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.

EDE 3942  ED-TL&L  3(3,0)  Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080. CR: MAE 4326, RED 4942, SCE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.


EDE 4945  ED-TL&L  1(1,0)  Internship Seminar II: PR: All required program coursework. C.I. Preparation for Internship II. Co-curricular seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDE 2005  ED-TL&L  3(3,0)  Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDE 2007  ED-TL&L  3(3,0)  Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EDE 2085  ED-TL&L  3(3,0)  Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and life changes. Explores stereotyping, prejudice and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDE 2130  ED-TL&L  3(3,0)  Child and Adolescent Development for Educators: Critical topics in child development and the changing characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDE 2250  ED-TL&L  3(3,0)  Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDE 2510  ED-TL&L  3(3,0)  Education and Nation Building: American Historical Perspectives: An historical analysis of why education remains critical to nation building in the U.S. and elsewhere, including education’s impact on current policies and issues. Occasional.

EDE 2720  ED-TL&L  3(3,0)  Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2065, EDE 2040, or CR. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDE 2801  ED-TL&L  3(3,0)  Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. Fall.

EDE 3120  ED-TL&L  3(3,0)  Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.

EDE 3601  ED-TL&L  3(3,0)  Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.
EDG 4410 Teaching Strategies and Classroom Management: PR: EDG 2005, EDG 2085, EME 2040, or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDG 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDG 2005, EDG 2085, EME 2040, or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDG 5067 Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning and teaching of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1000C Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4411 Teaching Strategies and Classroom Management: PR: EDG 2005, EDG 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 Directed Field Experience: PR: Approval of Professional Laboratory, Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 Service Learning: PR: EDG 2012 or C.I. Involvement with non-profit agencies and/or schools to gain a new perspective on civic/community engagement. May be repeated for credit. Fall, Spring.

EDG 4954 International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers’ instructional practices. Occasional.

EDG 5745 Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDG 2270 Adult Development & Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.

EDS 5356 Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the requirements of the Florida Educator Accomplished Practices. Fall, Spring.

ECC 2723 Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-3) including protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

ECC 3008 Early Childhood Children’s Literature: PR: Admission into the Early Childhood Development and Education Program (Track 2). A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children’s books. Spring.

ECC 3214 Child Development: PR: Admission to the Early Childhood Development and Education Program (Track 2). Provides pre-service early childhood professionals with an overview of theories and research related to early childhood development (Birth-Age 8). Fall, Spring.


ECC 3700 Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.


ECC 4211 Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.


ECC 4260 Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4303, and EEC 4528. Formal and informal evaluation theories, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program’s stakeholders. Fall.


ECC 4303 Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.


ECC 4402 Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system, intergenerational.

ECC 4414 Parent-Child Relations: PR: EEC 3700; EEC 4681; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

ECC 4524 Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

ECC 4528 Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


UCF Courses and Descriptions


EEL 4518 ECS-ECE 3(3,0) Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.


EEL 4635C ECS-ECE 4(3,3) Computer Control Systems: PR: EEL 3567. Discrete-time systems, the z-transform, and single loop control. Control of systems and design of processes with embedded computers. No grade credit for both EEL 5630 and this course. Occasional.

EEL 4660 ECS-ECE 3(3,0) Robotic Systems: PR: EGN 4060C or EEL 4742C or COP 3506. Team based development of a robotic system incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEL 4742C ECS-ECE 4(3,3) Embedded Systems: PR: EEL 3801C with a grade of “C” (2.0) or better. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00

EEL 4750 ECS-ECE 3(3,0) Digital Signal Processing Fundamentals: PR: EEL 3124C with a grade of “C” (2.0) or better. Study of discrete-time signals and systems, z-transform, DFT introduction to digital filter design. Fall, Spring.

EEL 4768 ECS-ECE 3(3,0) Computer Architecture: PR: EEL 3801C or CDA 3103C with a grade of “C” (2.0) or better. Computer system performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.


EEL 4783 ECS-ECE 3(3,0) Hardware Description Languages in Digital Systems Design: PR: EEE 3342C with a grade of “C” (2.0) or better. Hardware description languages, simulation and synthesis of RTL, circuits and systems, design examples and projects. Occasional.

EEL 4798 ECS-ECE 3(3,0) Massive Storage and Big Data: PR: EEL 3801C or CDA 3103C. Fundamentals in big data architecture and its enabling file storage systems infrastructure such as Metadata and storage, with a focus on system architecture, file storage, programming models, application development and performance evaluation. Spring.

EEL 4817H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of EEL and EEL 4818H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE 3(3,0) Honors Current Topics in Machine Learning II: PR: Consent of EEL and EEL 4817H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4851C ECS-ECE 3(3,3) Engineering Data Structures: PR: EEL 3801C with a grade of “C” (2.0) or better. Design of data structures and algorithms, with emphasis on performance analysis, memory management, and selection of appropriate data structures and algorithms. Fall, Spring.

EEL 4872 ECS-ECE 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3506C or equivalent. Application of AI technology to engineering design and problem-solving. Fall. Spring.

EEL 4884C ECS-ECE 4(3,3) Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, analysis, design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE 3(3,0) Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4919 ECS-ECE 3(3,0) Senior Design I: PR: EEL 3807C, EEL 4742C, and consent of School of ECECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE 3(3,0) Senior Design II: PR: EEL 4914. Execution of electrical and computer engineering project including complete project design review, construction, testing and demonstration. Engineering design, prototyping, cost, functionality, presentation, team effort and final report. Fall, Spring. M&S fee $15.00

EEL 5173 ECS-ECE 3(3,0) Linear Systems Theory: PR: EEL 3567. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-ECE 3(3,0) System Identification: PR: EEL 3567 or C.I. Dynamic systems, models of time-invariant linear, time-varying nonlinear systems, controller design, frequency and time-domain identification methods, kernel expansion techniques, parameter estimation methods, design and applications. Spring.

EEL 5245C ECS-ECE 3(2,1) Power Electronics: PR: EEE 4303C. Principles of power electronics, power semiconductor devices, power electronics, switch-mode and resonant dc-dc converters, applications. Fall.

EEL 5268 ECS-ECCS 3(3,0) Communications and Networking for Smart Grid: PR: EEL 4515C. Introduction to smart grid communication infrastructures and protocols. Operational design of the smart grid, communication networking in smart grid, communication for vehicle-to-grid systems, secure communication and networking. Occasional.

EEL 5291 ECS-ECE 3(3,0) Distributed Control and Optimization for Smart Grid: PR: EEL 3567 and EEL 4216C. Electric power systems, transmission and distribution networks, voltage stability and VAR control, dispatch of distributed generation, optimization, frequency control, electricity markets and incentive controls. Odd Fall.

EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and sensing techniques, orbits, ice and atmosphere geophysical measurements. Occasional.

EEL 5437C ECS-ECE 4(3,3) Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. Fall. M&S fee $40.00

EEL 5462C ECS-ECE 3(3,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipole, loops, array, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5625 ECS-MECH/AERO 3(3,0) Applied Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in the area of MEMS. Occasional.

EEL 5630 ECS-ECE 3(3,0) Power Systems Analysis: PR: EEL 3567. Study of power systems, transmission and distribution networks, power systems, transmission and distribution networks, voltage stability and VAR control, dispatch of distributed generation, optimization, frequency control, electricity markets and incentive controls. Odd Fall.

EEL 5669 ECS-ECE 3(3,0) Introduction to Robotics and Autonomous Vehicles: PR: EEL 5173 or C.I. Forward and inverse kinematics, velocity kinematics, dynamics, constrained motions, path and trajectory planning, position and trajectory control, single and multivariable control, introduction to force/impedance control, introduction to consensus-based control. Fall.

EEL 5690 ECS-ECE 3(3,0) Introduction to Medical Robotics and Tele-Operation: PR: EEL 3567 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0) Computer Aided Logical Design: PR: EEL 4742C. Design and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.
EEL 5706 ECS-EECS 3(3,0)
Resilient Computer System Design: PR: EEL 4768 or CDA 5106 or EEL 5705, C.I. Advanced concepts in hardware/software fault tolerance: fault models, coding in computer systems, module and system level fault detection mechanisms, such as TMR, rollback, and recovery. Occasional.

EEL 5722C ECS-ECE 3(3,3)
Field Programmable Gate Array (FPGA) Design: PR: EEE 3342C with a C (2.0) or better grade. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.

EEL 5771C ECS-ECE 3(2,3)

EEL 5780 ECS 3(3,0)
Wireless Networks: PR: EEL 4781 or C.I. The wireless networking industry, cellular networking, multimedia protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Fall, Odd Spring.

EEL 5796 ECS-EECS 3(3,0)
Big Data Computer Architecture and Systems: PR: EEL 4768 or CGS 3763 or C.I. Computer architecture and operating systems design, implementation and administrative techniques for big data computing platforms which run applications to analyze datasets of massive size and dimensionality. Even Fall, Odd Spring.

EEL 5820 ECS-ECE 3(3,0)
Image Processing: PR: MAP 2302, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and decoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS 3(3,0)
Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, Bayes classifier, functions of a multi-dimensional random variable, Nearest Neighbor approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-ECE 3(3,0)

EEL 5874 ECS-ECE 3(3,0)
Expert Systems and Knowledge Engineering: PR: EEL 4872 or CAP 4601. C.I. Introduction to expert systems in engineering. Expert systems tools and project-oriented techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0)
Software Engineering I: PR: OOP 431C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall Spring.

EEL 5936 ECS-ECE 0(1,0)
Current Topics in ECE: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art and C.E. fields. Graded S/U. Occasional.

EES 4006 ECS-ECE 3(3,0)
Biological Process Control: PR: ENV 301 with a grade of C (2.0) or better. Engineering design, measurements and analysis of biological systems in environmental engineering for water management, bio-energy processes, wastewater treatment, and others. Spring. M&S fee $70.00

EES 4020C ECS-ECE 4(3,3)
Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of C (2.0) or better. Engineering design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes such as softening, coagulation, disinfection, scrubbing, neutralization, and others. Fall. M&S fee $60.00

EES 5318 ECS-ECE 3(3,0)
Industrial Ecology: PR: ENV 3001, ENV 4341. Discussion of similarities between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EXE 2010 ED-CFC 3(3,0)
Introduction to child and adolescent development: Orientations to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EXE 2090 ED-CFC 3(3,0)
Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EXE 2758 ED-CFC 2(2,0)
Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EXE 3221 ED-CFC 3(3,0)
Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EXE 3241 ED-CFC 3(3,0)
Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and teaching techniques for children and adolescents with special needs. Must be taken before Internship I. Fall, Spring.

EXE 3243 ED-CFC 3(3,1)

EXE 3450 ED-CFC 3(3,0)
Young Children With Special Needs: Provides an overview of the field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EXE 3942 ED-CFC 3(3,0)

EXE 4054 ED-CFC 2(2,0)

EXE 4066 ED-CFC 3(3,0)

EXE 4070 ED-CFC 3(3,0)

EXE 4203 ED-CFC 3(1-3,0)
Instructional Strategies for Effective Inclusive Settings: PR: Overall minimum 2.5 GPA or C.I. A course for students looking at secondary education and employing them to teach students with disabilities in inclusive settings. Spring.

EXE 4242 ED-CFC 3(3,0)

EXE 4601 ED-CFC 3(3,0)
Introduction to Behavior Management: Study of management techniques based on applied behavioral analysis. Principles for modifying inappropriate behaviors and maintaining appropriate behaviors of exceptional students. Fall, Spring.

EXE 4751 ED-CFCS 3(3,0)
Parent Involvement in Education: This course prepares students to successfully interact with and involve parents in their child’s education. Occasional.

EXE 4757 ED-CFCS 3(3,0)
Parenting Care: PR: C.R. Junior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Occasional.

EXE 4763 ED-CFCS 3(3,0)
Technology for Classroom Teachers of Students with Special Needs: PR: EED 3241, RED 3012, LRE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EXE 4943 ED-CFCS 12(0,35)
Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EXE 5051 ED-CFC 3(3,0)
Exceptional Children in the Schools: PR: Senior standing or C.I. Characteristics, definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EXE 5702 ED-CFC 3(3,0)
Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning; developmentally appropriate practices and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EXE 5750 ED-CFCS 3(3,0)
Communication with Parents and Agencies: Presentation of methods of sharing information and collaborating with agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGM 3601 ECS-MECH/KAERO 3(3,0)
Solid Mechanics: PR: "C" (2.0) or better in the following MAC 2311C, MAC 2312, MAC 2313, PHY 2048C and EGN 3310; PR: or CR: MAP 2302. Concepts of stress, strain, deflection, axial force, torsion, bending, combined stress, Mohr’s circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGN 1007C ECS-ECS 1(1,2)
Engineering Concepts and Methods: PR: EGS 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Introduction to the concepts of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. Spring.

EGN 2980C ECS-IEMS 2(1,1)
ECE Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better: IDS 1040C, GEB 1091C, EGS 1036C, EDG 1005C or HSC 1931C. Provides experiential learning experience in an appropriate field setting under the direction of a university supervisor with the LEAD Scholars Program. May be repeated for credit. Occasional.
EGN 3211 ECS-ECE  
3(3,0)  
Engineering Analysis and Computation: PR: MAC 2312 with a grade of "C" (2.0) or better. Engineering analysis and computation with structured constructs. Subscripted variables, functions, input/output. Applications in embedded systems and examples in numerical methods. Fall, Spring.

EGN 3310 ECS-CECE  
3(3,0)  
Engineering Analysis-Statics: PR: MAC 2311C, PHY 2049C, or EGN 3301H with a grade of "C" (2.0) or better. CR: MAC 2312. Fundamental concepts of mechanics, including resultants of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-CECE  
3(3,0)  
Honors Engineering Analysis-Statics: PR: Permission of Honors and EGN 3310H or MAC 2311C, PHY 2049C both with grades of "C" (2.0) or better; CR: MAC 2312. Advanced treatment of material and additional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-ME/MECH/AERO  
3(3,0)  
Engineering Analysis-Dynamics: PR: EGN 3301H with a grade of "C" (2.0) or better or in EGN 3310 and MAC 2313; PR: CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum; introduction to kinematics of mechanisms; introduction to 3D rigid body dynamics; central force. Fall, Spring.

EGN 3322H ECS-CECE  
3(3,0)  
Honors Engineering Analysis - Dynamics: PR: Permission of Honors and EGN 3310 or MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EGN 3331C ECS-CECE  
3(3,2)  
Mechanics of Materials: PR: EGN 3310 with a grade of "C" (2.0) or better in both. Atomic structure and bonding; phonons; crystals; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EGN 3335H ECS-ME/MECH/AERO  
3(3,0)  
Honors Structure and Properties of Materials: PR: MAC 2312, and CHS 1440 or CHM 2045C, or CHM 1440; or PHY 2049C. With Honors content. Spring.

EGN 3365H ECS-ME/MECH/AERO  
3(3,0)  
Honors Structure and Properties of Materials: PR: MAC 2312, and CHS 1440 or CHM 2045C, with grades of "C" (2.0) or better in both; and consent of Honors. Discussion bonding; phonons; crystals; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EGN 3373 ECS-ECE  
3(3,0)  

EGN 3373H ECS-ECE  
3(3,0)  

EGN 3420 ECS-ECE  
3(3,0)  
Engineering Analysis PR: EGN 3311, and MAC 2312 with a grade of "C" (2.0) or better. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, integration and plotting, Occasional.

EGN 3613 ECS-EMS  
2(2,0)  
Engineering Economic Analysis: PR: MAC 2311C with a grade of "C" (2.0) or better, not open to Industrial Engineering students. Economic evaluation of engineering alternatives and design. Time value of money and economic impacts of taxes, risk, depreciation. Fall, Spring.

EGN 4060C ECS-ECS  
3(2,3)  
Introduction to Robotics: PR: COP 3223 or EGN 3211, and EEL 3605 or EEL 4742C or COP 3503C or EGN 3312 or EML 3171. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.

EGN 4641C ECS-ECS  
3(2,2)  
Engineering Entrepreneurship: PR: Senior standing. EIN 4833, or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.

EGN 4931H ECS-ECS  
3(3,0)  
Honors Engineering Seminar: PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGS 1006C ECS-EMS  
1(1,2)  
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional disciplines and requirements in various engineering disciplines. Fall.

EGS 1036C ECS-EMS  
2(1,1)  
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering and Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGS 3030 ECS-ECS  
0(2,0)  
Leadership in Engineering I: PR: Junior standing in a CEGS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graduated SU. Fall.

EGS 3031 ECS-ECS  
0(2,0)  
Leadership in Engineering II: PR: Junior standing in a CEGS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graduated SU. Spring.

EGS 4624 ECS-EMS  
3(3,0)  
Engineering Innovation and Leadership: PR: Senior standing. A broad range of topics including corporate organization structures, individual and team leadership, and techniques to enhance innovation and creativity. Spring.

EGS 4710 ECS-ECS  
3(3,0)  
Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGS 4950 ECS-ECS  
3(3,0)  
Engineering Leadership Capstone: PR: EGN 4517, C.I. Introduction to thematic team design of an increasingly complex technological society; possible solutions and future predictions. Fall, Spring.

EIN 2002 ECS-EMS  
1(1,0)  
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311C with a grade of "C" (2.0) or better. Sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-EMS  
3(3,0)  
Work Analysis and Design: PR: STA 3032 with a grade of "C" (2.0) or better or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3351 ECS-EMS  
3(3,0)  
Engineering Economic Analysis and Cost Engineering: PR: MAC 2311C with a grade of "C" (2.0) or better. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-EMS  
3(3,0)  
Cost Estimating and Cost Engineering: PR: EGN 3613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.

EIN 4191C ECS-EMS  
2(2,2)  
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (intrapsessional to interpersonal to organizational community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-EMS  
2(2,2)  
Engineering Leadership Seminar II: PR: EIN 4191C. Continuation of EIN 4191C. Spring.

EIN 4214 ECS-EMS  
3(3,0)  

EIN 4243 ECS-EMS  
3(2,2)  
Human Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Man/machine systems; design and conduct of human engineering studies. Spring.

EIN 4333 ECS-EMS  
3(3,0)  
Production and Distribution Systems: PR: ESI 4312 with a grade of "C" (2.0) or better. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-EMS  
3(3,0)  
Facilities Planning: PR: EIN 3314 with a grade of "C" (2.0) or better; PR: or CR: EIN 3351. Planning and design of production systems including interrelationships betweenrepetitive layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-EMS  
3(3,0)  
Manufacturing Engineering: PR: Grade of "C" (2.0) or better in any of the following core options CHM 1440 or CHS 1440 or CHM 2041, or PHY 2049C; or C.I. Senior standing. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-EMS  
3(3,0)  
Systems Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Spring.
EIN 4545 ECS-IE IMS (3,0)
Industrial Engineering Applications in The Service Industries: PR: ESI 4312 with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C ECS-IE IMS (4,2,4)
Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5108 ECS-IE IMS (3,0)
The Environment: PR: Graduated status or CI. EGS 4462 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-IE IMS (3,0)
Management Information Systems I: PR: C.I. The design and implementation of computer-based Management Information Systems. Consideration is given to the organizational, managerial, and economic aspects of MIS. Spring.

EIN 5140 ECS-IE IMS (3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineer in project management with emphasis on project planning, cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-IE IMS (3,0)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-IE IMS (3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5256C ECS-IE IMS (3,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall.

EIN 5317 ECS-IE IMS (3,0)
Training in Systems: PR: Seniors, post-bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Occasional.

EIN 5346 ECS-IE IMS (3,0)
Engineering Logistis: PR: ESI 5306 or ESI 4312. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-IE IMS (3,0)

EIN 5392C ECS-IE IMS (2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

EMA 3000 ECS-IE MSE (3,0)

EMA 3012C ECS-IE MSE (3,0)
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee $45.00

EMA 3124 ECS-IE MSE (3,0)
Design and Selection of Materials: PR: EGN 3601, and EGN 3655 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-IE MSE (3,0)
Nanomaterials Process Engineering: PR: CHS 1440 or CHM 2045C and MAC 2312 with grades of "C" (2.0) or better and in all of the following: CHS 1440 or CHM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

EMA 4102 ECS-IE MSE (3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3605 or EMA 3706; and a "C" (2.0) or better in all of the following: PHY 3101, and EGN 3365 or EMA 3706. Fundamentals of Mechanical Behavior of Materials: PR: EGN 3601, and EGN 3655 or EMA 3706. Elementary treatment of elasticity, plasticity, viscoelasticity, creep, fracture, and fatigue. Spring.

EMA 4302 ECS-IE MSE (3,0)

EMA 4501C ECS-IE MSE (3,2)

EMA 4502 ECS-IE MSE (3,0)

EMA 4506 ECS-IE MSE (3,0)
Emerging Materials: PR: EGN 3365, or EMA 3706. Structure, properties and processing of modern emerging materials Occasional.

EMA 5006 ECS-IE MSE (3,0)

EMA 50104 ECS-IE MSE (3,0)

EMA 50106 ECS-IE MSE (3,0)

EMA 5108 ECS-IE MSE (3,0)
Surface Science: PR: PHY 2040C and C.I. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EMA 5140 ECS-IE MSE (3,0)
Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.

EMA 5317 ECS-IE MSE (3,0)

EMA 5326 ECS-IE MSE (3,0)

EMA 5415 ECS-IE MSE (3,0)
Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device elements. Fall.

EMA 5545 ECS-IE MSE (3,0)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505 ECS-IE MSE (3,0)

EMA 5584 ECS-IE MSE (3,0)

EMA 5585 ECS-IE MSE (3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586 ECS-IE MSE (3,0)

EMA 5587C ECS-IE MSE (3,2)

EMA 5588 ECS-IE MSE (3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques or bioceramics, MS3D and FDA compatibility data. Occasional.

EMA 5610 ECS-IE MSE (3,0)
University of Central Florida

ECS-MECH/AERO 3(3,0) Intermediate System Dynamics and Controls: PR: EML 3071, MAP 2302, EML 3753 and EML 4225. Free and forced vibration analysis of mechanical systems with multi degrees of freedom; normal modes and modal analysis; systems concepts, stability criteria, role of uncertainty in feedback and frequency domain control design. Fall.

ECS-MECH/AERO 3(3,0) Mechanical Power Systems: CR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on components utilizing both chemical and nuclear fuels. Occasional.

ECS-MECH/AERO 3(3,0) Turbines for Sustainable Power: PR: EGM 3601, EGM 3365 or EMA 3706, EML 3701 or EAS 3101; CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation, including aerodynamic effects to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Fall.

ECS-MECH/AERO 3(1,6) Engineering Design I: PR: EML 3701, EML 3030C, EML 3701, EML 4142, EML 4225 and department consent; CR: EML 4531. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermo-fluid, or material problems are considered. Fall, Spring.

ECS-MECH/AERO 3(1,6) Engineering Design II: PR: EML 3701, EML 4142. Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed. Fall, Spring. M&S fee $60.00

ECS-MECH/AERO 3(0,4) Design & Analysis of Machine Components II: PR: EML 3030C. Application of the principles of component analysis to the design of mechanisms. Spring.

ECS-MECH/AERO 3(2,3) CAD/CAM: PR: EGM 3343, EML 3030C, and EGM 3601; CR EAS 4200 or EML 3500. CAD/CAM/FE/M simulation technology - basic concepts. Concurrent engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring.

ECS-MECH/AERO 3(0,3) HVAC Systems Engineering: PR: EGM 3343. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.

ECS-MECH/AERO 3(0,3) Applied HVAC Engineering: PR: EGM 3343; CR: EML 4142. Applications of HVAC systems design with the goal of optimizing performance for energy efficiency, comfort, control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building. Spring.

ECS-MECH/AERO 3(0,3) Fluid Mechanics II: PR: EGM 3343. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.

ECS-MECH/AERO 3(2,3) Digital Control in Mechatronics: PR: EML 3030C; and (EML 4220 and EML 4312C) or (EML 4225 and EML 4313). Discrete microprocessor control of mechatronics dynamic systems using state-space representation, digital controllers, design for mechatronic applications. Spring. M&S fee $15.00

ECS-MECH/AERO 0(0,0) Mechanical Career and Academic Faculty Advising I: PR: EML 3933 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.
ENC 3311 CAH-WRITE 3(3,0)
Essay as Cultural Commentary: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Rhetorical and historical study, analysis, and writing of essay as reflective exploration and cultural commentary. Fall, Spring.

ENC 3314 CAH-WRITE 3(3,0)
Writing and Rhetoric Foundations: PR: Grade of "C" (2.0) or better in ENC 1102 or equivalent or C.I. Study and practice of research, writing, and rhetorical skills that enable successful (inter)disciplinary writing in and across the university. Fall, Spring.

ENC 3315 CAH-WRITE 3(3,0)
Argumentative Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will analyze current, past, and hypothetical arguments, construct various types of arguments, including visual and multimedia. Fall, Spring.

ENC 3330 CAH-WRITE 3(3,0)
Rhetorical Traditions: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the roots of rhetoric and the evolution of its theoretical, pedagogical and civic tradition. Even Spring.

ENC 3331 CAH-WRITE 3(3,0)
Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetoric theory in order to analyze and participate in contemporary public debates and civic engagement efforts. With Honors Content. Even Spring.

ENC 3351 CAH-WRITE 3(3,0)
Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H CAH-WRITE 3(3,0)
Honors Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Examines freelance markets, article genres, and the rhetorical skills needed to design and produce articles for specific audiences and publications, and editorial roles for publications. With Honors content. Occasional.

ENC 3372 CAH-WRITE 3(3,0)
Topics in Civic Rhetoric and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373 CAH-WRITE 3(3,0)
Cultural Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of the diverse cultural production of and the cultural forces impacting the rhetoric of individuals and communities. Occasional.

ENC 3375 CAH-WRITE 3(3,0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE 3(3,0)
Literacy and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology’s impact on writing and literacy, focus on new media. Spring.

ENC 3433 CAH-WRITE 3(3,0)
Multimedia Writing and Composition: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study and practice of multimedia writing (including sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. Occasional.

ENC 3453 CAH-WRITE 3(3,0)
Writing about Health and Medicine: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Writing practices and genres of the health professions, with emphasis on writing about health and medicine for lay audiences. Occasional.

ENC 3454 CAH-WRITE 3(3,0)
Topics in Professional and Digital Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE 3(3,0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). Occasional.

ENC 3455H CAH-WRITE 3(3,0)
Honors Writing about Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for nonscientific audiences, including laypeople and policymakers. With Honors content. Occasional.

ENC 3456H CAH-WRITE 3(3,0)
Honors Writing about Health and Medicine: PR: Consent of Honors. Writing practices and genres in health professions, with emphasis on writing about health and medicine for lay audiences. With Honors content. Occasional.

ENC 3473 CAH-WRITE VAR(VAR,0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of writing (including genres, conventions, and arguments) in disciplines across the university. May be repeated for credit. Occasional.

ENC 3502 CAH-WRITE 3(3,0)
Researching Writing and Literacy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of important knowledge domains and lines of inquiry in writing and literacy research, with emphasis on research methodologies. Occasional.

ENC 3503 CAH-WRITE 3(3,0)
Topics in Writing & Literacy Studies: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. Occasional.

ENC 3521 CAH-WRITE 3(3,0)
Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 3905 CAH-ENG 3(3,0)
Directed experience in Writing: PR: Grade of "C" (2.0) or better required in ENC 1102 and C.I. Individualized topics and/or research in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 4212 CAH-ENG 3(3,0)
Professional Editing: PR: Grade of "C" (2.0) or better required in ENC 1102. Students will perform different types and levels of editing on a range of print and online texts from business and non-profit contexts. Even Fall.

ENC 4215 CAH-ENG 3(3,0)
Technical Communication and Project Management: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technology, automated text processing, methods of reproduction. Introduction of graphics; style, format, layout, and boardwork. Spring.

ENC 4218 CAH-ENG 3(3,0)
The Visual in Technical Documentation: PR: Grade of "C" (2.0) or better required in ENC 3241 or C.I. Study of the origins and elements of plain language and the strategies for applying it to technical communication. Occasional.

ENC 4219 CAH-ENG 3(3,0)
Technical Communication and Plain Language: PR: Grade of "C" (2.0) or better in ENC 3241 or C.I. A study of the origins and elements of plain language and the strategies for applying it to technical communication. Occasional.

ENC 4262 CAH-ENG 3(3,0)
International Technical Communication: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241 or C.I. International issues in the field of technical communication including internationalizing documents, user interface design, international collaboration, and rhetorical and logistical challenges. Occasional.

ENC 4265 CAH-ENG 3(3,0)
Writing for the Computer Industry: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Creating different kinds of software manuals or online help systems for the computer industry. Occasional.

ENC 4275 CAH-WRITE 3(3,0)
Theory and Practice of Tutoring Writing: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Study and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Fall.

ENC 4280 CAH-ENG 3(3,0)
Technical Writing Style: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0)
Usability Testing for Technical Communication: PR: Grade of "C" (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include style manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4296 CAH-ENG 3(3,0)
Technical Communication for the Virtual Workplace: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. Occasional.

ENC 4312 CAH-ENG 3(3,0)
Theory & Practice of Persuasion Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including emotional, ethical, and cultural considerations. Occasional.

ENC 4313 CAH-ENG 3(3,0)
Technical Communication for Social Change: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or political change around contemporary controversial issues. Occasional.

ENC 4353 CAH-ENG 3(3,0)
Writing for Social Change: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study of how activist writing and other symbolic action can be used to mobilize social or policy change around contemporary controversial issues. Occasional.

ENC 4354 CAH-WRITE 3(3,0)
Writing with Communities and Nonprofits: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. Occasional.

ENC 4354H CAH-WRITE 3(3,0)
Honors Writing with Communities and Nonprofits: PR: Grade of "C" (2.0) or better required in ENC 1102, and consent of Honors. Study and practice of methods for writing in partnership with nonprofits and the communities they serve, with an emphasis on audience analysis and community engagement. With Honors content. Occasional.
ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: English major or minor and grade of "C" (2.0) or better required in CRW 3013 and CRW 3055, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.

ENC 4374 CAH-WRITE 3(3,0) Gendered Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Historical and theoretical study of gender and rhetoric, with emphasis on women's rhetors. Occasional.

ENC 4437 CAH-WRITE 3(3,0) Writing in Global and Transnational Contexts: PR: "C" (2.0) or better in ENC 1102 or C.I. Examination of the ways language and rhetoric travel across cultures and countries, with practice strategies for transnational communication with local and global audiences. Occasional.

ENC 4379 CAH-WRITE 3(3,0) Writing and Rhetoric Capstone: PR: Senior standing; ENC 3331, ENC 3505, and ENG 3836; PR or CR: ENC 4944, ENC 3473, or ENC 4275. Culminating required course for students majoring in Writing and Rhetoric. Students reflect on disciplinary identity, possible career trajectories, and transferable strategies for writing in their lives. Spring.

ENC 4414 CAH-ENG 3(3,0) Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Theories of electronic text and literary information to develop a more critical sensitivity regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3(3,0) Digital Rhetorics and The Modern Dialogic: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the development of digital rhetorics appearing in online environments through close reading and analysis of hypertextual texts, fiction, and internet materials. Fall, Spring.

ENC 4416 CAH-WRITE 3(3,0) Writing in Digital Environments: PR: Grade of "C" (2.0) or better required in ENC 1102. Study and practice of new media/internet writing and publishing, covering a range of online and multimedia genres. Occasional.

ENC 4416H CAH-WRITE 3(3,0) Honors Writing in Digital Environments: PR: Consent of Honors. Critical and rhetorical engagement with digital writing and networked systems, including a range of online media and genres. With Honors content. Occasional.

ENC 4434 CAH-WRITE 3(3,0) Visual Rhetorics: PR: "C" (2.0) or better in ENC 1102 or C.I. Study of visual and material textual elements within different historical and contemporary rhetorical practices and performances. Students will use a variety of compositional materials to produce texts. Occasional.

ENC 4504 CAH-WRITE 3(3,0) Contemporary Composition Theory: PR: Grade of "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE 3(3,0) Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly in language, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE 3(3,0) Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 4944 CAH-WRITE 3(3,0) Writing Internship: PR: Junior standing and ENC 3331 and ENG 3836 and declared Writing and Rhetoric Major. Training and practice in professional and/or civic writing through approved internship with business or organization; involves reporting and reflecting on experience Fall.
EUH 4574 CAH-HIST 3(3,0) History of Russia: 1801-1917: PR: EUH 2000 and EUH 2001 or C.I. Alexander I: Napoleon's Invasion, Revolutionary Movement; Russian Policy toward Central Asia and China; Great Reforms; Russo-Japanese War; Revolution of 1905; Constitutional Period; Triple Entente. Occasional.


EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History: PR: C.I. Russian diplomatic history from the signing of the Entente Cordiale to the aftermath of the Cold War. Occasional.

EUH 4610 CAH-HIST 3(3,0) Women in European Society: From Medieval to 20th Century: PR: B. This course examines the changing situation of women in Europe from the Middle Ages to the twentieth century. Occasional.

EUH 4610H CAH-HIST 3(3,0) Honors Women in European Society: PR: GEP. Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914: PR: EUH 2000 and EUH 2001 or C.I. Congress of Vienna, Metternich's system, Crimean War, unifications of Italy, Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.


EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEP. Honors completion or permission of Honors. Interdisciplinary approach to comparing the Original Olympic Games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5285 CAH-HIST 3(3,0) Colloquium in Europe Since World War II: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history since WW II. Occasional.

EUH 5415 CAH-HIST 3(3,0) Rome and Early Christianity: PR: Graduate standing or C.I. Current trends in historical literature in Christianity from its development as a distinct religion to its relations with and eventual “triumph” within the Roman Empire. Occasional.

EUH 5419 CAH-HIST 3(3,0) Colloquium in Roman History: PR: Graduate standing or C.I. Readings in selected topics in the history of Ancient Rome. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

EUH 5459 CAH-HIST 3(3,0) Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUH 5546 CAH-HIST 3(3,0) Colloquium: British History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in British history. There is no standard syllabus because content is different with each offering. May be repeated for credit only when course content is different. Occasional.

EUH 5579 CAH-HIST 3(3,0) Colloquium in Soviet Russia: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in Russian history, 1911-present. Occasional.

EUH 5595 CAH-HIST 3(3,0) Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 5805 CAH-HIST 3(3,0) European Imperialism: PR: Graduate standing or C.I. Readings in selected topics in the history of European Imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EUH 5925 CAH-HIST 3(3,0) Colloquium in Medieval Europe: PR: Graduate standing or C.I. Readings in selected topics in the history of medieval Europe. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EVR 1001 COS-BIOL 3(4,0) Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems and real data. Fall.

EVR 1001H COS-BIOL 3(4,0) Honors Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems, and real data. Fall.


EXP 3640 COS-PSYCH 3(3,0) Psychology of Language: PR: PSY 2012. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

EXP 4507 COS-PSYCH 3(3,0) Advanced Human Memory and Cognition: PR: PSY 3213C. EXP 3604C. In-depth coverage of experimental research on human memory and cognition. Occasional.

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0) Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0) Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature, introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

FIL 1000 CAH-SVAD 3(3,0) Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall/Spring.

FIL 1000H CAH-SVAD 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall/Spring.

FIL 1007 CAH-SVAD 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall/Spring.

FIL 1008 CAH-SVAD 3(3,0) Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in film making, including composition, moving graphics, image design, lighting styles. Fall/Spring.

FIL 2030 CAH-SVAD 3(2,2) History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall/Spring.

FIL 2107 CAH-SVAD 3(3,0) Story Analysis: PR: OR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall/Spring.

FIL 2423 CAH-SVAD 3(3,0) Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall/Spring.

FIL 2461 CAH-SVAD 3(3,0) Cinematography I: PR: FIL 2552 and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M & S fee $45.00

FIL 2480 CAH-SVAD 3(3,0) Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR: OR: FIL 3115. Introduction to processes and techniques for film directing. Spring. M & S fee $70.00

FIL 2481 CAH-SVAD 3(3,0) Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an abiliy to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-SVAD 3(3,0) Editing I: PR: FIL 1006 and FIL 3427C. PR OR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-SVAD 3(3,0) Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall/Spring.

FIL 3035C CAH-SVAD 3(3,1) Film Histories II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.
UCF Courses and Descriptions
FIL 3037
CAH-SVAD
3(3,0)
Film History II: PR: FIL 2030, FIL 2107 and Film BFA,
World Cinema, or Cinema Studies major. Film history in a
depth of detail and with rigor that is appropriate for majors
in the subject. This course covers from 1946 to the present.
Spring.
FIL 3041
CAH-SVAD
3(3,0)
History of Animated Films I: PR: Cinema Studies,
Art, Animation or Digital Media major. Evolution of animation
from its roots in Art, Theatre, and Novelty Inventions to its
rise as a cinematic force of popular storytelling. Even Fall.
FIL 3051
CAH-SVAD
3(3,0)
Avant-Garde Cinema: PR: Junior standing or
C.I. History and aesthetics of Avant-Garde Cinema with
an emphasis on post WWII North American films and
filmmakers. Spring.
FIL 3070C
CAH-SVAD
3(3,1)
Cinema in the 1920s: PR: FIL 3035C. Films of the
1920s as they pertain to the political, social, cultural, and
artistic context of the period. Occasional.
FIL 3071C
CAH-SVAD
3(3,1)
Cinema in the 1930s: PR: FIL 3035C. Films of the
1930s as they pertain to the political, social, cultural, and
artistic context of the period. Occasional.
FIL 3072C
CAH-SVAD
3(3,1)
Cinema in the 1940s and 1950s: PR: FIL 3035C.
Films of the 1940s and 1950s as they pertain to the
political, social, cultural, and artistic context of the period.
Occasional.
FIL 3073C
CAH-SVAD
3(3,1)
Cinema in the 1960s and 1970s: PR: FIL 3035C.
Films of the 1960s and 1970s as they relate to the political,
social, cultural, and artistic context of the period. Occasional.
FIL 3074C
CAH-SVAD
3(3,1)
Cinema 1980s to the Present: PR: FIL 3035C.
Films from the 1980s and onward as they pertain to the
political, social, cultural, and artistic context of the period.
Occasional.

FIL 3363C
CAH-SVAD
3(3,1)
Film Documentary: PR: FIL 2030 and Film BFA or
Cinema Studies major. The uses and analysis of the nonfiction film. Fall,Spring.
FIL 3379C
CAH-SVAD
3(3,6)
Advanced Documentary Production: PR: FIL
3363C and FIL 3845, or C.I. Processes and principles of
advanced documentary production to capture on-going
reality based situations. Occasional.
FIL 3379C
CAH-SVAD
3(3,6)
Honors Advanced Documentary Workshop:
PR: ENC 1102H and Consent of Honors or C.I. Public history
research and documentary production. Student-produced
multimedia projects centered on local partnerships that
explore the public history of Central Florida. With Honors
content. Occasional.
FIL 3427C
CAH-SVAD
3(2,4)
Introduction to Film Production: PR: or CR: FIL
2107 and Film BFA or World Cinema major. Introduction
to production utilizing film equipment. Basic technical and
aesthetic aspects of production. Fall.
FIL 3455C
CAH-SVAD
6(2,4)
Film Landscapes: Story, Image and
Production Design: PR: FIL 2423 or FIL 3427C, and
FIL 2030. The use of landscape in film and its importance to
the art of production design. Occasional.
FIL 3462C
CAH-SVAD
3(3,1)
Cinematic Expression: PR: FIL 3803C.
Cinematography using video format; study of fundamentals
of motion-picture communication, film structure and
storytelling. Spring.
FIL 3483
CAH-SVAD
3(3,0)
Directing the Actor for Film II: PR: FIL 2481.
Characterization and scene study as it applies to directing
the actor for film. Occasional.
FIL 3492C
CAH-SVAD
3(3,1)
Performance in Film: PR: FIL 3035C. Study of the
different traditions and forms of acting in film. Occasional.

FIL 3075C
CAH-SVAD
3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH
2050. Relation of film to artistic modernism centered on key
common practices such as collage, projection, movement,
serialization, superimposition, and simultaneity. Spring.

FIL 3534
CAH-SVAD
3(3,0)
Sound Design for Film I: PR: FIL 3427C and Film
BFA or C.I. Technical and aesthetic aspects of production
and post-production sound recording, editing, and mixing
for film. Fall.

FIL 3076C
CAH-SVAD
3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH
2051. A continuation of Film and Modernism I. This course
concentrates on specific instances of interaction between
film and the other arts such as music, painting, photography,
theatre, and video. Fall.

FIL 3720C
CAH-SVAD
3(2,4)
Introduction to Animation: PR: DIG 3951 and
declared Character Animation specialization, or ART 3950
and declared Experimental Animation specialization, or
a minimum grade of “B” (3.0) in DIG 4713 and declared
Game Design specialization. Introductory computer graphic
techniques utilizing microcomputer systems. Techniques
include basic paint systems, color cycling and 2D animation.
Fall,Spring.

FIL 3102
CAH-SVAD
3(3,0)
Writing for Film and TV: PR: Junior standing, ENC
1102, and FIL 1007. Theories and process of screen writing
for motion pictures and television. Students learn how to
create stories and scripts for the entertainment marketplace.
Fall,Spring.
FIL 3115
CAH-SVAD
3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or Cinema
Studies major, or C.I. Rudiments of writing the short script.
Analysis of script models and examination of differences
between long and short forms. Writing scripts for workshops.
Fall,Spring.
FIL 3132
CAH-SVAD
3(3,0)
Short Script II: PR: FIL 3115 and Film BFA or World
Cinema major, or C.I. Advanced writing of short scripts in
preparation for Capstone 1 and 2 courses. Spring.
FIL 3304C
CAH-SVAD
3(1,3)
Documentary Vision: PR: FIL 3363C. Styles and
approaches to documentary filmmaking, with emphasis on
making short, personal films. Spring.
FIL 3307
CAH-SVAD
3(3,0)
Docudrama: PR: FIL 2107 and Film BFA, World
Cinema, or Cinema Studies major, or C.I. Techniques to
dramatize real-life events and persons, with emphasis on
representation, adaptation and ethics. Occasional.

FIL 3734C
CAH-SVAD
3(2,4)
Intermediate Animation: PR: Experimental
Animation and Character Animation majors only, FIL 3720C
and DIG 4780C, and successful portfolio review or C.I.
Focus on 3D computer modeling and animation systems.
Hands-on exercise on the type of high-end animation
systems used in the film industry. May be repeated for
credit. Fall,Spring.
FIL 3803C
CAH-SVAD
3(3,1)
Film Theory and Criticism I: PR: FIL 2107 and Film
BFA, World Cinema, or Cinema Studies major. Major film
theories to the Second World War Period. Fall.
FIL 3804C
CAH-SVAD
3(3,1)
Film Theory and Criticism II: PR: FIL 2107 and
Film BFA or Cinema Studies major. Major film theories from
Second World War period to present. Spring.
FIL 3812C
CAH-SVAD
3(3,1)
Concentration on the film theories of film-makers in relation
to their own work and to the cinema generally. Spring.

UNIVERSITY OF CENTRAL FLORIDA

488

FIL 3820
CAH-LANG
3(3,0)
Italian Film: This course attempts to stimulate and/or
increase the interest of students in Italian cinema as an art
form with the director playing the key role. Films by most
outstanding Italian movie directors will be analyzed from a
social, economic, and historical point of view. Occasional.
FIL 3822
CAH-LANG
3(3,0)
French Film: The study of French cinema as an art form
and the key role of the director. Films are analyzed from
structural, social, economical, and historical perspectives
with attention to their relationship with French literature.
Taught in English. Occasional.
FIL 3823
CAH-LANG
3(3,0)
German Film: PR: C.I. Exploration of the form and
context of German film during different time periods in
relation to other aspects of culture and to sociopolitical
structures at the time. Occasional.
FIL 3824
CAH-SVAD
3(3,0)
Italian Neo-Realist Cinema: PR: FIL 3036 or FIL
3037, or C.I. Post-World War II period of the Italian cinema,
with emphasis on the work of Antonioni, Visconti, Pasolini,
Fellini, and Rossellini. Occasional.
FIL 3826
CAH-SVAD
3(3,0)
American Cinema: PR: Film BFA, World Cinema, or
Cinema Studies major, or Cinema Studies minor. Lectures,
films and forums designed to provide awareness of styles,
images, and myths in cinema that influence or reflect our
culture. Spring.
FIL 3831
CAH-SVAD
3(4,0)
Black Cinema: PR: Junior standing and ENC 1102.
Independent black film movements; theory, aesthetics and
FIL 3841
CAH-SVAD
3(3,0)
French New Wave Cinema: PR: FIL 3036 or FIL
3037, or C.I. Post-World War II period of the French cinema,
emphasizing the work of Renoir, Bresson, Godard, Rohmer,
Resnais, and Rivette. Occasional.
FIL 3842
CAH-SVAD
3(3,0)
International Cinema: PR: or CR: FIL 3036 or FIL
3037, and Film BFA or Cinema Studies major. Post-World
War II period of the international cinema, with emphasis on
the cinemas of Europe and Asia. Occasional.
FIL 3845
CAH-SVAD
3(3,0)
World Cinema Traditions: PR: or CR: FIL 3036 or
FIL 3037 and Film BFA, World Cinema, or Cinema Studies
major. The relationship among film, history, and culture in
selected Asian, African, Latin American, and Middle Eastern
countries. Fall,Spring.
FIL 3847
CAH-SVAD
3(3,0)
Latin American Cinema: PR: or CR: FIL 3036 or
FIL 3037 and Film BFA, World Cinema, or Cinema Studies
major. Latin American films and film movements, historical
and contemporary issues, social, and aesthetic concerns.
Spring.
FIL 3850
CAH-SVAD
3(3,0)
Cinema Directors: PR: FIL 3803C and Film BFA,
World Cinema, or Cinema Studies major, or C.I. Intensive
study of the work of selected film-makers using multiple
modes of criticism and author analysis to examine films.
Occasional.
FIL 3852
CAH-SVAD
3(3,0)
Cinema Criticism Writing: PR: FIL 3036 or FIL 3037
and ENC 1102, FIL 2030, FIL 3803C. Modes of cinema
criticism. Occasional.
FIL 3860C
CAH-SVAD
3(3,1)
The Shot, Framing, Point of View: PR: FIL
3035C. Approaches to the shot, framing and point of view.
Occasional.
FIL 3861C
CAH-SVAD
3(3,1)
Film and Photography: PR: FIL 3076C. Historical
and Cultural relationship between photography and film.
Occasional.

Undergraduate Catalog 2016-2017


FIL 3862C CAH-SVAD 3(3,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2200. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-SVAD 3(3) The American Film Artist: PR: FIL 2030. Analysis of a major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall.

FIL 3876C CAH-SVAD 3(3) Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around form, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-SVAD 3(3) Experimental Cinema II: PR: FIL 3076C. Concentration on specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Spring.

FIL 3878C CAH-SVAD 3(3) Color and Lighting in Cinema: PR: FIL 3053C. Exploration of specific aesthetic strategies of experimental film including all those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Occasional.

FIL 3880C CAH-SVAD 3(3) Images of Women in Film: PR: FIL 2030. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-SVAD 1(1,1) Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is taught by film faculty and guest speakers from the film industry. Graded SU. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-SVAD 3(3,0) Animation Film History for Non Film Majors: PR ENC 1102. Evolution of animation since World War II. Fall, Spring.


FIL 4057C CAH-SVAD 3(3,1) Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-SVAD 3(3,0) Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-SVAD 3(3) Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

FIL 4126C CAH-SVAD 3(2,2) Genre Writing: PR: Film major, FIL 2035C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.

FIL 4162C CAH-SVAD 3(2,3) Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4163C CAH-SVAD 3(2,3) Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader’s coverage. Spring.

FIL 4301C CAH-SVAD 3(3) Documentary Workshop I: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall. M&S fee $4000.

FIL 4302C CAH-SVAD 3(1,3) Documentary Workshop II: PR: FIL 4301C or C.I. Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Spring.

FIL 4451 CAH-SVAD 3(3,0) Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4453C CAH-SVAD 3(3) Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

FIL 4472C CAH-SVAD 3(2,4) Cinematography II: PR: FIL 3427C. Advanced principles and techniques of cinematography. Spring.

FIL 4486C CAH-SVAD 3(3,1) Directing for Film II: PR: FIL BFA major and FIL 2030. Principles and practices in directing and/or documentary motion pictures. Fall.

FIL 4487 CAH-SVAD 3(3,0) Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of directing. Spring.

FIL 4535C CAH-SVAD 3(3,1) Sound Design for Film I: PR: FIL 3354. An understanding of how production mixers bring the film director’s vision to the screen. Spring.


FIL 4566C CAH-SVAD 3(2,2) Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M&S fee $50.00

FIL 4573C CAH-SVAD 3(1,3) Capstone II: PR: FIL 4343C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

FIL 4602 CAH-SVAD 3(3,0) Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4647 CAH-SVAD 3(3,0) Film Production Management: PR: ENC 1102 and Junior standing, or C.I. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-SVAD 3(3) The Film Producer: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film. Spring.

FIL 4735C CAH-SVAD 3(2,4) Experimental Animation: PR: “C” (2.0) or better in FIL 3734C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodologies. May be repeated for credit. Occasional.

FIL 4740C CAH-SVAD 3(3,1) Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4) Experimental Animation Workshop: PR: “C” (2.0) or better in FIL 3720C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodologies. May be repeated for credit. Occasional.

FIL 4830 CAH-SVAD 3(3,0) Motion Picture Genre: PR: FIL 3030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional.

FIL 4853C CAH-SVAD 3(3,0) Actors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

FIL 4863C CAH-SVAD 3(3,1) Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-SVAD 3(3,1) Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-SVAD 3(3,1) Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-SVAD 3(3,1) Current Problems in Film History: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film history. Occasional.

FIL 5406 CAH-SVAD 3(3,0) Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5414 CAH-SVAD 3(3,0) Film Vision, Scope & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, making, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-SVAD 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Dig Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5800 CAH-SVAD 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study and production of film and new media. Spring.
Independent Financial Forms: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media, or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall.

Personal Finance and Investments: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement, planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

Financial Markets: PR: FIN 3403 with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of short- and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

Business Finance: PR: ACG 2021 and ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

Honors Business Finance: PR: ACG 2021 and ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. With honors level content. Occasional.

Intermediate Corporate Finance: PR: FIN 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Understanding and interpreting financial statement data for business decisions and valuations. Fall, Spring.

Financial Statement Analysis: PR: FIN 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Course examines debt, money market investments, market structure, trading and valuation. Risk management introduced. Roles of banking systems, and financial institutions in fixed income markets. Fall, Spring.

Management of Financial Institutions: PR: FIN 3303 and FIN 3403, each with a "C" (2.0) or better; open to majors or minors which require this course. Analysis of management policies of financial institutions, including assets liability, and capital management. The economics and regulatory influence on competition is considered. Occasional.

Commercial Bank Management: PR: FIN 4243 with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall, Spring.

Advanced Topics in Financial Management: PR: FIN 3414, FIN 4243 and FIN 4504 each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Fall, Spring.

Financial Models: PR: FIN 4243 and FIN 4504, each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

Equity and Capital Markets: PR: FIN 3403 with a "B" (3.0) or better; open to majors or minors which require this course. Course examines equity investments, including market structure, trading, analysis, and valuation. Theories of efficient markets and models of investor behavior are examined. Futures and options are introduced. Fall, Spring.

Portfolio Analysis and Management: PR: FIN 4504 with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

Financial Derivatives: PR: FIN 4504 or FIN 4243, each with a "C" (2.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

Applied Portfolio Management 1: PR: Finance major, FIN 4003 with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

Applied Portfolio Management 2: PR: Finance major; FIN 4606C with a "C" (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

International Financial Management: PR: FIN 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

Senior Financial Consulting I: PR: Finance major, FIN 4410 with a "B" (3.0) or better, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Students must register for both semesters. Occasional.

Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship coordinator. Supervised individual experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. Diversity. Occasional.

Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. Occasional.

Foreign Language Methods at the Elementary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

Intermediate French Language and Civilization I: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

Intermediate French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 2200C. Fall, Spring.

Intermediate French Language and Civilization III: PR: FRE 2200C or equivalent. Continuation of FRE 2200C with emphasis on French civilization. Fall, Spring.


Intermediate French Language and Civilization: PR: FRE 2200 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.
Advanced French Oral Abroad: PR: FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term speaking French. May be repeated for credit. Occasional.

French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

Advanced French Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.


Advanced French Oral Communication: PR: FRE 2201 or equivalent. Vocabulary building with systematic training in grammar and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Spring.

Advanced French Oral Conversetion: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

The French Literature of Canada: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

Survey of French Literature I: PR: FRE 2201 or equivalent. First half of the Middle Ages to the present. May focus on a particular period, genre, or topic. Occasional.

Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

French and Francophone Literary Masculines in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

French Contemporary Pop Culture: PR: FRE 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

The French Literature of Canada: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

Survey of French Literature I: PR: FRE 2201 or equivalent. First half of the Middle Ages to the present. May focus on a particular period, genre, or topic. Occasional.

Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

The French Literature of Canada: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

Survey of French Literature I: PR: FRE 2201 or equivalent. First half of the Middle Ages to the present. May focus on a particular period, genre, or topic. Occasional.

Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.


Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

Foodservice Operations Management: PR: HFT 1000, FSS 2221C, HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

Corporate Contract and Managed Services Organizations: PR: HFT 3263 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3263, and Junior standing. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee $70.00

Human Geography of Latin America: PR: ENC 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

Human Geography of Latin America: PR: ENC 1102 or C.I. Populations, hemispheric interdependence, and international development of Latin America. Fall.

Migration Trends in Latin America: PR: ENC 1102 or C.I. Migration trends in Latin America and the impact that migration has had on the Americas. Spring.

Geography of Brazil: PR: ENC 1101 or C.I. Geophysical, cultural, economic, and social characteristics and processes of Brazil. Fall.

Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. Occasional.
### UCF Courses and Descriptions

**GEB 4405H CAH-LAS 3(3,0)**  
Honors Geography of Latin America: PR: ENC 1102H or equivalent credit and consent of Honors. Geography of Latin America and the Caribbean, including geophysical, cultural, economic, and social characteristics and processes. With honors content. Spring.

**GEB 2350 BA-MAN 3(3,0)**  
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

**GEB 3003 BA-MAN 1(1,0)**  
Career Research & Planning: PR: Admission to the College of Business. Designed to provide a basic understanding of the importance of career professionalism in today’s competitive business environment. The course focuses on self-awareness and career research and planning. Fall, Spring.

**GEB 3005 BA-MAN 1(1,0)**  
Career Search Strategy: PR: GEB 3003. Provides a basic understanding of the importance of career professionalism in today’s competitive business environment. The course focuses on personal branding/marketing and career search strategies. Fall, Spring.

**GEB 3031 BA-MAN 3(3,0)**  
Integrated Business Foundations: PR: Admission to the Integrated Business major. Students apply and refine critical skills such as teamwork, negotiation, ethics, and communication that enhance career success. Emphasis on small to medium size firms. Fall, Spring.

**GEB 3031L BA-MAN 10(2,0)**  
Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor CR: GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

**GEB 3375 BA-FIN 3(3,0)**  
Introduction to International Business: PR: Junior standing and permission of Honors, ACG 2071, ECO 2013 and ECO 2233, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

**GEB 3375H BA-FIN 3(3,0)**  
Honors Introduction to International Business: PR: Junior standing, permission of Honors, ACG 2071, ECO 2013 and ECO 2233, each with a "C" (2.0) or better. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Same as GEB 3375 with honors level content. Occasional.

**GEB 4004 BA-MAN 1(1,0)**  
Executing Your Career Plan: PR: GEB 4223. Coaches provide recommendations throughout the career search process, and help implement the career plan developed during the previous three career development courses. Fall, Spring.

**GEB 4104 BA-BA 3(3,0)**  
Small Business Development: PR: Introduction to the Integrated Business major. Students will learn how to plan, open and manage a small business. Topics include franchising, family businesses, buying a business, and independent contracting. Fall, Spring.

**GEB 4223 BA-MAN 1(1,0)**  
Business Interviewing Techniques: PR: GEB 3005. Develops each student’s ability to make a persuasive one-on-one or small group presentation, that is designed to invoke action by either the individual or small group. Fall, Spring.

**GEB 4374 BA-FIN 3(3,0)**  
International Negotiations and Transactions: PR: Finance major, Junior standing and admission to CBA. Focuses on providing an understanding of the concepts and skills required for international negotiations and transactions. Occasional.

**GEB 4435 BA-BA 3(3,0)**  

**GEB 4513 BA-MAN 3(3,0)**  
Applied Business Technologies: PR: Admission to the Integrated Business major. Focuses on a firm’s ability to recognize, evaluate, and integrate technological developments to create value, solve problems, and gain competitive advantages. Fall, Spring.

**GEB 4522 BA-BA 3(3,0)**  

**GEB 4824 BA-BA 3(3,0)**  
Business Law in Sport & Entertainment: PR: SPB 3003 with a "C" (2.0) or better. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Occasional.

**GEB 4934 BA-BA 0(0,1)**  
Current Topics in Business Administration: PR: Admission to the College of Business, and C.I. Guest lectures discussing current topics that impact business in the Central Florida, state, national, and international business environments. Fall, Spring.

**GEB 5516 BA-MAN 3(3,0)**  
Technological Entrepreneurship: PR: Graduate standing. Focus of the course is on identification, evaluation and commercialization of new technologies. Emphasis will be placed on the legal, financial and strategy aspects of technology transfer and development. Occasional.

**GEB 5941 BA-BA 1.5(1,5,0)**  
Professional Business Practicum: PR: Acceptance in the graduate program. The practicum is to provide a professional business work experience for students entering the MBA program without such experience. Occasional.

**GEO 1200 COS-POLS 3(3,0)**  
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

**GEO 2370 COS-POLS 3(3,0)**  
Resources Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

**GEO 3471 COS-POLS 3(3,0)**  
World Political Geography: PR: ENC 1102 or PR: GEO 2401 or C.I. Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

**GER 1120C CAH-LANG 4(3,1)**  
Elementary German Language and Civilization I: Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

**GER 1120C CAH-LANG 4(4,1)**  
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

**GER 1121C CAH-LANG 4(4,1)**  
Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1120C, with honors-level content. Occasional.

**GER 1121C CAH-LANG 4(3,1)**  
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

**GER 2200 CAH-LANG 3(3,1)**  
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

**GER 2201 CAH-LANG 3(3,1)**  
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

**GER 2210 CAH-LANG 3(3,0)**  
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

**GER 2240 CAH-LANG 3(3,0)**  
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

**GER 2270 CAH-LANG 6(6,0)**  
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

**GER 2271 CAH-LANG 2(2,0)**  
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

**GER 3102 CAH-LANG 3(3,0)**  
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

**GER 3272 CAH-LANG 2(2,0)**  
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

**GER 3420 CAH-LANG 3(3,0)**  

**GER 3440 CAH-LANG 3(3,0)**  

**GER 3441 CAH-LANG 3(3,0)**  
Business German II: PR: GER 3440. Continuation of Business German I. Occasional.

**GER 3470 CAH-LANG 6(6,0)**  

**GER 3760 CAH-LANG 3(3,0)**  
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.

**GER 3780 CAH-LANG 3(3,0)**  
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

**GER 4510 CAH-LANG 3(3,0)**  
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialist ideas and their realization in everyday life and culture. Given in German. Occasional.

**GER 4520 CAH-LANG 3(3,0)**  
Modern Germany: PR: Given in German. An introduction to the history of postwar Germany from the two Germanies to unification and today’s Germany. Occasional.
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

German Children’s Literature: PR: GER 2202. A look into the history of German children’s literature with a concentration on works after World War II. Occasional.

The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

A look into the history of German children’s literature with a concentration on works after World War II. Occasional.

The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

Gerontology: An Interdisciplinary Overview: PR: PR: C.I. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

Physiology of Aging: PR: BSC 2010C or PCB 3703C or APK 4110C or equivalent. The purpose of this course is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. Study of aging will be from a multidisciplinary and multilingual approach spanning the social sciences and health. Occasional.

GIS for Environmental Studies: PR: CGS 1000C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility sting studies. Odd Fall.

Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

Environmental Geoscience: Environmental issues affecting Earth’s crust, including earthquakes, volcanoes, major storms, water-supply problems, resource depletion, waste disposal, land-use planning, flooding, sea-level rise, coastal erosion, and climate change. Fall.
HFT 3224 Hospitality Management & Leadership Fundamentals: PR: HFT 1000 or C.I. Principles of hospitality and tourism industry management and leadership; covers foundational concepts of service industry management and leadership. Fall, Spring.

HFT 3263 Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing. Discussion of the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.


HFT 3323 Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

HFT 3354 Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3357 Club & Resort Operations: PR: HFT 1000, HFT 2500, Develop, plan, and organize club events of all types. Occasional.

HFT 3373 Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

HFT 3375 Entertainment Business: PR: HFT 2071 and HFT 2330. The course examines business models in the various subsectors of the entertainment industry focusing on financial, marketing, and human resources as well as value proposition. Fall, Spring.

HFT 3376 Foundations of Production Management: PR: HFT 2071, HFT 3420, and HFT 2563. The course challenges students to develop an entertainment production timeline that highlights the importance of collaboration and the inclusion of all stakeholders. Fall, Spring.

HFT 3384 Club Enterprise Management: PR: HFT 1000 and FSS 2221C Comprehensive examination of the club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3395 Entertainment Media and Technology: PR: HFT 2071, HFT 2563, HFT 3370. Students explore the foundations of media production, data analytics, digital promotion and distribution in the entertainment industry. Discuss cultural, demographic and technology market opportunities. Fall, Spring.

HFT 3431 Hospitality Industry Managerial Accounting: PR: ECO 2013 or ECO 2023, and MAC 1105 and HFT 2401. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 Event Technology: PR: HFT 2750. Use of technology in the event industry to solidly processes and help people be more productive. Covers types of technology for different event processes. Fall, Spring.

HFT 3444 Hospitality Information Systems: PR: ECO 2013 or ECO 2023, and CGS 2100, MAC 1105, HFT 2254. Focuses on management functions and impact of information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3463 Revenue & Relationship Management in the Entertainment Industry: PR: HFT 2401 and HFT 3375. Basic funding principles and sales strategies within the entertainment industry are applied. Industry relevant concepts of revenue and relationship management strategies are learned. Fall, Spring.

HFT 3512 Event Promotion: PR: HFT 2750, and HFT 2500. Promotion of events to sponsors, attendees, exhibitors and other participants. Fall, Spring.

HFT 3519 Event Management: PR: HFT 2750 and HFT 2254. The acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $32.00

HFT 3523 Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of request for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 Event Services: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3593 Consumer Behavior in Entertainment: PR: HFT 2071, HFT 2563, and HFT 3395. Explores entertainment consumer behavior as driven by physiological, psychological and social domains as well as marketing practices and macro-environmental factors. Fall, Spring.

HFT 3603 Hospitality Industry: PR: C.I. Principles of law as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3654 Hospitality Franchising: PR: HFT 2254 or HFT 3263. HFT 2500, and HFT 3421. Internship experience in the management of franchise operations. Fall, Spring.

HFT 3670 Hospitality and Event Risk Management: Fall, Spring. Risk, crises, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Fall, Spring.

HFT 3700 Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 Meeting Management: PR: HFT 2750. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 Management of Gaming Enterprises: PR: Junior level standing, an in-depth study of gaming-based organizations, including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3795 Leading in the Entertainment Industry: PR: HFT 2071 and HFT 2350. The course challenges students to develop a personal leadership framework that can successfully function within a creative environment through the lens of entertainment. Fall, Spring.

HFT 3798 Fairs and Festivals: PR: HFT 2750. Evolution of modern day fairs and festivals. Fall, Spring.

HFT 3811 Beverage Sales, Marketing, and Distribution: PR: HFT 1000 and HFT 2254. The course will discuss the role of beverage sales, marketing and distribution, including brand management, legal issues, and the roles of producers, importers, wholesalers, retailers, and hospitality outlets. Spring.

HFT 3813 Foodservice Marketing, Sales, and Distribution: PR: HFT 2500 and HFT 3263. Food service marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

HFT 3968 History and Culture of Wine: PR: Minimum age of 21 and a History course or C.I. The role that wine has played in the history, culture, and religion of diverse civilizations. Occasional. M&S fee $70.00


HFT 3994 Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.


HFT 4206C Hospitality Operations: PR: Junior Standing or C.I. An introduction to lodging and food service operations including topics with a comprehensive knowledge of these related content areas; food service lab component. Occasional.

HFT 4253 Advanced Lodging Operations: PR: HFT 2254, HFT 2500, HFT 3431, HFT 3603 and Junior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposes course participants to real life operational situations. Spring.

HFT 4255 Advanced Hotel Development: PR: HFT 4464, HFT 4753, or C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 Hospitality Brand Management: PR: HFT 3263 or HFT 2254, and HFT 2500 and Junior standing or C.I. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. Fall, Spring.

HFT 4268 Case Studies in Restaurant Management: PR: HFT 3263 and Junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4274 Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of hotels and shared ownership/timeshare properties. Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4725</td>
<td>Development of Vacation Ownership Resorts: PR: HFT 4773 and C.I. An in-depth study of the planning and development of various hospitality and tourism organizations; the marketing, financial, legal, and ethical issues related to destination management; strategic thinking in hospitality organizations. Occasional.</td>
</tr>
<tr>
<td>HFT 4777</td>
<td>Club Management: PR: HFT 1000 and junior standing or C.I. Principles of facility planning, layout, design, and physical plant characteristics for resorts, timeshares and shared ownership properties. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications: PR: HFT 1000; HFT 2220; HFT 3444; HFT 3540 and Junior standing. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on inter departmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management: Hospitality Industry: PR: Senior standing; PR or CR: HFT 4464. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4343</td>
<td>Hospitality Facilities Management: PR: HFT 1000, HFT 2254 and Junior standing; or C.I. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.</td>
</tr>
<tr>
<td>HFT 4377</td>
<td>Entertainment Production Management: PR: HFT 3376. Course examines the knowledge and skills necessary to design, execute, and operate an entertainment business model, including visual storytelling, entertainment content, production plan, and budget. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4378</td>
<td>Entertainment Portfolio Management: PR: All core Entertainment Management courses. This course challenges the student to demonstrate expertise across the curriculum while building a real-life actionable entertainment business plan. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4394</td>
<td>Event Operations: PR: All courses in the Event Management core, or C.I. Planning and implementing a live event. Fall, Spring. M&amp;S fee $64.00</td>
</tr>
<tr>
<td>HFT 4398</td>
<td>Entertainment Entrepreneurship: PR: HFT 3376, HFT 3375, and ECO 2013 or ECO 2023. How an entrepreneur develops a new entertainment business with a focus on finance, strategic analysis, and risk. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4413</td>
<td>Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Students will gain a comprehensive understanding of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.</td>
</tr>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage, and Labor Cost Controls: PR: HFT 3263. Provides students with basic fundamentals of food, beverage, and labor cost controls systems in the hospitality industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance: PR: HFT 2401. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4468</td>
<td>Revenue Management in the Hospitality Industry: PR: HFT 2401, HFT 2254, HFT 2500, and HFT 3263. Revenue management practices, across multiple industry sectors, in hospitality and tourism organizations which include capacity management, demand and revenue forecasting, discounting, overbooking, replacement, rate management. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4469</td>
<td>Financial Performance in Entertainment: PR: HFT 3463. Working knowledge of finance concepts and theories applicable to the entertainment industry including financial transactions, capital budgeting, and financial simulations. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4473</td>
<td>Hospitality and Tourism Development: PR: HFT 2254 or HFT 3263, HFT 2500, HFT 2401, and Junior standing. Planning of conceptual development, designing, and construction of hotel, resort/recreation, restaurant, theme park, and conference/convention center projects for both domestic and global destinations. Spring.</td>
</tr>
<tr>
<td>HFT 4522</td>
<td>Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. Fall.</td>
</tr>
<tr>
<td>HFT 4614</td>
<td>Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 4303; or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.</td>
</tr>
<tr>
<td>HFT 4623</td>
<td>Entertainment Law and Ethics: PR: HFT 3307, HFT 3375, and HFT 3795. The course focuses on the main legal and ethical issues affecting the entertainment industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4626</td>
<td>Public Policy Issues in the Entertainment Industry: PR: HFT 3375 and HFT 4623. The course examines the degree to which entertainment businesses are intertwined with government regulations and interventions. (3 credits) Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4751</td>
<td>Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.</td>
</tr>
<tr>
<td>HFT 4752</td>
<td>Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions Spring.</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations: PR: HFT 2700 or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4755</td>
<td>Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4757</td>
<td>Event Management: PR: All courses in the Event Management core, or C.I. The development, design, and evaluation of events that reflect the stakeholder needs and expectations. Incorporates a case study approach. Requires event volunteer hours approved by instructor. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4758</td>
<td>Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions Fall.</td>
</tr>
<tr>
<td>HFT 4759</td>
<td>Product Development in Theme Parks and Attractions: PR: HFT 4755 and junior standing or C.I. The product development process associated with product development in the theme parks and attraction industry. Occasional.</td>
</tr>
<tr>
<td>HFT 4762</td>
<td>Theme Park and Attraction Management: PR: HFT 1000 and Junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, styling, and marketing. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events: PR: HFT 2750. Considerations when planning events that are held outside of the United States or that attract a large number of participants from outside the United States. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4802</td>
<td>Catering Sales Management: PR: HFT 2750, HFT 3523, HFT 3670, and FSS 2284C, or C.I. The catering manager's role in the catering sales process. Emphasis on market segments, customer relationships, menu planning, financial impact, internal communication/documentation and event oversight. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
<tr>
<td>HFT 4861</td>
<td>Beverage Management: PR: HFT 1000 and Junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 4872</td>
<td>Senior in Quality Brewing and Fine Beer: PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages. Fall, Spring. M&amp;S fee $45.00</td>
</tr>
</tbody>
</table>
**Health Law:** PR: HSA or HILM major, and HIM 3006, or C.I. Principles of law as applied to the health field, with special reference to health practices and information management. Fall.

**Health Care Economics:** PR: HSA 3111; ECO 2023, or C.I. To provide an application of economic principles to analyze health-related economic incentives affecting patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

**Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans:** PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

**Organization & Management for Healthcare Agencies I:** PR: HSA 3111 or admitted to HIM program. Management of health care organizations, strategic planning, healthcare economics, and healthcare financial management. Fall, Spring.

**Organization & Management for Healthcare Agencies II:** PR: HSA 3111 and HSA 4180. Management of health care organizations including hospitals, long term care facilities, and medical group practices. Fall.

**Fundamentals of Health Information Technology:** PR: HSA 3111, CIN 2010C, CJS 1060C, or C.I. The origin, evolution and application of health information technology in today’s healthcare industry. Fall, Spring.


**Risk Management Systems:** PR: HSA 3111 or C.I. Safety, liability and loss control issues with emphasis on risk, risk reduction and risk transfer in health care. Fall, Spring.

**Health Services Research Methods:** PR: STA 2014C or STA 2023 and C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

**Health Services Administration Internship:** PR: HSA 4853, 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. 150 hour minimum administrative experience in an approved health care organization. Fall, Spring.

**Internship Orientation:** PR: 2.75 Major GPA, 90 overall credit hours, 24 HSA credit hours. This prerequisite for HSA 4800 provides critical information for the internship search. The course must be completed no more than one semester prior to the internship. Fall, Spring.

**Health Services Administration Capstone:** PR: HSA major and senior standing, HSA 3170, HSA 3430. Capstone course applies healthcare administration theory to a healthcare organization. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

**Foundations of Health Care Finance:** PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

**Health Care Decision Sciences and Knowledge Management:** PR: Graduating senior or graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving managerial decision making process will be presented. Spring.

**Foundations of Health Care Economics:** PR: Admission to HSA graduate program or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.

**Health Care Risk Management II:** PR: HSA 5509. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management II covers Modules 7-12. Students must complete both courses in sequential order in order to apply for Risk Management licensure. Fall, Spring.

**Health Care Risk Management I:** PR: Admission to M.S. in Health Services Administration or C.I. Examines background, history and philosophy of health care risk management. The Health Care Risk Management course is comprised of a total of 12 modules addressing key areas of the field. Health Care Risk Management I covers Modules 1-6. Fall, Spring.

**Health Sciences Research Methods:** PR: HSA 3111 or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

**Medical Pharmacology I:** PR: BSC 2010C and CHM 2045C. General pharmacological principles such as regulations, prescriptions, routes of administration, drug interactions, indications/contraindications, and the side effects. Fall.

**Medical Pharmacology II:** PR: HSC 4158. Mechanism of drug action used in treatment of the nervous, cardiovascular, endocrine, and immune systems. Spring.

**Community Health:** PR: ENC 1102 and Junior Standing, or C.I. Historical, sociocultural and economic factors in community health; current community health problems; interplay of governmental, voluntary, and private agencies. Fall, Spring.

**Epidemiology:** PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. Study of the distribution and determinations of diseases and injuries in human population. Fall, Spring.

**Epidemiology of Chronic Diseases:** PR: ZOOL 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

**Concepts in Pathophysiological Diagnosis:** PR: HSC 4555 or HSC 4556, and Senior Standing. Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

**Pathophysiology I:** PR: ZOOL 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

**Pathophysiology II:** PR: PCB 3703C and ZOO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

**Health Care Needs of the Elderly:** PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

**Clinical Nutrition:** PR: HUN 2201. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.
HUM 4820  CAH-PHIL  (3,0)  Key Concepts in Humanities & Cultural Studies: PR: Any 3000-level HUM course or C.I. Study of the development, meaning, and implications of a central concept in the Humanities and Cultural Studies. May be repeated for credit only when course content is different. Occasional.

HUM 5396  CAH-PHIL  (3,0)  Place and Space: PR: Graduate standing or C.I. Study of theoretical and applied issues of place and space. Occasional.

HUN 2201  HPA-HP  (3,0)  Fundamentals of Human Nutrition: Functions, roles, guidelines and requirements for nutrients. Includes digestion, absorption, nutrient interactions, effects of deficiencies or toxicities, food sources and weight management. Emphasis on prevention of disease. Fall/Spring.

HUN 3011  CON-NURS  (3,0)  Human Nutrition: PR: or CR: ZOO 3733C and CHM 1023 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall/Spring.


HUM 4394  CAH-PHIL  (3,0)  Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. Occasional.

HUM 4459  CAH-PHIL  (3,0)  American Cultural Studies in Humanities: PR: Any 3000-level HUM course, or C.I. Theories of culture intersecting race, class, gender, migration, ability, and national identity in North America. Occasional.

HUM 4823  CAH-PHIL  (3,0)  Queer Theory in the Humanities: PR: Any 3000-level HUM course or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4826  CAH-PHIL  (3,0)  Postcolonial Theory: PR: Any 3000-level HUM course or C.I. Interdisciplinary overview of postcolonial philosophy, literature, film, and cultural theory. Even Fall.

HUM 4931  CAH-PHIL  (3,0)  Key Figures in the Humanities & Cultural Studies: PR: Any 3000-level HUM course or C.I. Study of a central Humanities/Cultural Studies figure's work, influences, reception, and effect. May be repeated for credit only when course content is different. Occasional.

HUM 5933  CAH-PHIL  (3,0)  Senior Research Seminar: PR: Any 3000-level HUM course or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.
UCF Courses and Descriptions

IDH 1920H BHC-HON 2(1,2)

IDH 1921H BHC-HON 2(2,0)
Honors Symposium II: PR: IDH 1920H. Readings, lectures, and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDS 3101H BHC-HON 3(3,0)
Honors Cultural Traditions of India: PR: Permission of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDS 3600H CAH-PHIL 3(3,0)
Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. Fall.

IDR 4030H BHC-HON 1(3,0)
Honors Windows To The World: PR: Permission of Honors and IDH 152H, or enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious scholarships and graduations. Graded S/U. May be repeated for credit. Occasional.

IDS 3150 UGST-INTERDISC 3(3,0)
Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 UGST-INTERDISC 3(3,0)
World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933 UGST-INTERDISC 3(3,0)
Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4204 ECS-ECS 3(2,2)
Advanced Topics on Energy and Sustainability: PR: Acceptance into the Energy and Sustainability Minor. Senior standing and Completion of GEP or C.I. Contemporary topics in energy and sustainability. Seminars and lectures from industry, academe, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.

IDS 4934 UGST-INTERDISC 3(3,0)
Capstone Experience: PR: IDS 3933, Junior standing, and Interdisciplinary Studies major, or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic career goals. Fall, Spring.

IDS 5127 COM-BSSS 3(3,0)
Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of modern bio-imaging techniques used for basic biomedical research applications. Occasional.

INP 3004 COS-PYCH 3(3,0)

INP 3004H COS-PYCH 3(3,0)

INP 3141C COS-PYCH 1-3(3,0-9)
Advanced Applied Psychology: PR: PSY 2012 and consent of Honors. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 3951 COS-PYCH 3(10)
Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Graded S/U. May be repeated for credit. Fall, Spring.

INP 4313 COS-PYCH 3(3,0)
Organizational Psychology: PR: PSY 2012. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, intergroup behavior, and organization development. Fall.

INP 4380 COS-PYCH 3(3,0)
Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825 COS-PYCH 3(3,0)
Human-computer Interface (HCI) Design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including psychology, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002 COS-POLS 3(3,0)
International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016 COS-POLS 3(3,0)
Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0)

INR 3253 COS-POLS 3(3,0)
International Politics of Africa: PR: ENC 1102 or POS 2041 or C.I. The broad structures and processes of international politics and foreign policy in Africa, with particular attention on U.S.- African relations. Occasional.

INR 4008 COS-POLS 3(3,0)
Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

INR 4011 COS-POLS 3(3,0)
Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030 COS-POLS 3(3,0)
Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Occasional.

INR 4030H COS-POLS 3(3,0)

INR 4045 COS-POLS 3(3,0)
International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon North-South relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054 COS-POLS 3(3,0)
Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy politics within developed and underdeveloped countries. Occasional.

INR 4060 COS-POLS 3(3,0)
Causes of War: PR: ENC 1102 or POS 2041 or C.I. An interdisciplinary approach to contemporary empirical research examining the causes of interstate conflict. Fall.

INR 4063 COS-POLS 3(3,0)
The Cold War: PR: ENC 1102 or POS 2041 or C.I. Political and social implications of the Cold War, including the effects on post-Cold War international politics. Occasional.

INR 4074 COS-POLS 3(3,0)
Migration Policy Planning: PR: POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.

INR 4075 COS-POLS 3(3,0)

INR 4076 COS-POLS 3(3,0)
Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

INR 4083 COS-POLS 3(3,0)
War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.

INR 4084 COS-POLS 3(3,0)
Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. Occasional.

INR 4085 COS-POLS 3(3,0)
Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.

INR 4102 COS-POLS 3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS 3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, considering the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0)
Strategic Weapons and Arms Control: PR: ENC 1102 or POS 2041 or C.I. Contemporary issues in strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116 COS-POLS 3(3,0)

INR 4224 COS-POLS 3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.
INR 4225 COS-POLS 3(3,0) The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

INR 4243 COS-POLS 3(3,0) International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4274 COS-POLS 3(3,0) International Politics of the Middle East: PR: Either INR 2002, CPO 3103 or POS 2041. Examines foreign relations among Middle Eastern states and related actors, including, but not limited to, the great powers of the world. Occasional.

INR 4304 COS-POLS 3(3,0) Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. Endogenous and exogenous variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.

INR 4333 COS-POLS 3(3,0) International Security: PR: POS 2041 or C.I. The security relations and problems of nation states. Occasional.

INR 4345 COS-POLS 3(3,0) Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS 3(3,0) Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS 3(3,0) International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4363 COS-POLS 3(3,0) Intelligence Analysis and Reporting: PR: POS 2041 or INR 2002 or ENC 1102. Foreign intelligence analysis and its interaction with organizations, politics, and psychology to shape political decisions. Occasional.

INR 4364 COS-POLS 3(3,0) The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401 COS-POLS 3(3,0) International Law: PR: ENC 1102 or POS 2041 or C.I. The nature, evolution, and sources of international law and examination of various sub-areas as recognition, maritime law, nationality, and war. Fall.

INR 4404 COS-POLS 3(3,0) Space Law: PR: Junior standing, or C.I. Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502 COS-POLS 3(3,0) International Organizations: PR: ENC 1102 or POS 2041 or C.I. The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.

INR 4603 COS-POLS 3(3,0) International Relations Theory: PR: ENC 1102 or POS 2041 or C.I. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and postmodernism. Fall, Spring.

INR 4714 COS-POLS 3(3,0) Politics of International Trade Policy: PR: ENC 1102 or POS 2041 or C.I. Key actors and processes of international trade policymaking at the sub-national, national, regional, and global levels of analysis. Occasional.

INR 4744 COS-POLS 3(3,0) Military relations in World Politics: PR: POS 2041, or INR 2002, or C.I. Civil-military relations and its relevance to international relations and comparative politics. Occasional.

INR 4764 COS-POLS 3(3,0) Cyberwarfare Policy: PR: POS 2041 or ENC 1102 or INR 2002 or C.I. How nations, groups and individuals throughout the world use internet/cyber-attacks for military, political, and economic gains over their adversaries. Occasional.

INR 4765 COS-POLS 3(3,0) Emerging Space Powers: PR: POS 2041, or C.I. Examination of states’ efforts to develop space technologies for purposes of economic, social and military development. Occasional.

INR 4774 COS-POLS 3(3,0) Military Space Policy: PR: ENC 1102 or POS 2041 or C.I. Policies and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

INR 4933H COS-POLS 3(3,0) Honors Human Trafficking: PR: INR 2002 or C.I. An interdisciplinary Honors seminar designed to help students gain a better understanding of contemporary human trafficking, also known as slavery and forced servitude. Occasional.

ISC 2054 COS-MATH 1(2,0) STEM Seminar I: PR: Admission to an STEM sponsored program. Study skills, faculty networking, exposure to STEM professionals. Graded S/U Fall.

ISC 2055 COS-MATH 1(2,0) STEM Seminar II: PR: Admission to STEM sponsored program. Study skills, faculty networking, exposure to STEM professionals, STEM shadowing experience. Graded S/U Spring.

ISC 2215 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus I: CR: MAC 2311C. Interdisciplinary applications of differential and integral calculus topics in MAC 2311C to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus II: CR: MAC 2312C. Interdisciplinary applications of differential and integral calculus topics in MAC 2312C to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ITA 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

ITA 1121C CAH-LANG 4(3,1) Elementary Italian Language and Civilization II: PR: ITA 1120C or equivalent. Continuation of ITA 1120C. Fall, Spring.

ITA 1122C ITT 4956H Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian literature. Occasional.

ITA 3420 CAH-LANG 3(3,0) Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

ITA 3441 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

ITA 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

ITA 3564 CAH-LANG 3(3,0) Modern Italian Culture: PR: ITA 2200 or C.I. Modern Italian culture (1500s through today) through literature, film, and mass media. Spring.

ITA 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

ITA 4280 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italien. Occasional.

ITT 3301 CAH-LANG 3(3,0) Italian & Italian American Women’s Literature: PR: ENC 1102 or C.I. Novels and short stories by some major Italian and Italian-American women writers. Occasional.


ITT 3480 CAH-LANG 3(3,0) Italian literature in Translation: PR: ITA 2201 or C.I. Main literary tendencies and authors of Italian literature. Occasional.

ITT 3495 CAH-LANG 3(3,0) From Italy to America: PR: ITW 3101 or C.I. The course connects Italy and the US, their history and culture. Occasional.

ITT 3496 CAH-LANG 3(3,0) Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

ITT 3497H CAH-LANG 3(3,0) Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian literature, with honors content. Occasional.

ITW 3100 CAH-LANG 3(3,0) Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0) Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

ITW 3373 CAH-LANG 3(3,0) Modern Italian Short Story: PR: ITA 2201 or C.I. Selection of short stories written by the most significant Italian writers of the 20th century. Even Fall.

JOU 2100C COS-COMM 3(3,1) News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall, Spring.

JOU 3004 COS-COMM 3(3,0) History of American Journalism: Development of mass media, leading innovators, and the media’s role in the nation’s history. Fall, Spring.
JOU 3101 COS-COMM 3(3,0) Principles of Journalism: PR: Either SCP 1608, SCP 1603C, COM 1000, or C.I. Introduces principles of the journalism industry and lays the foundation for other upper-level journalism courses. Fall, Spring.

JOU 3130 COS-COMM 3(3,0) In-Depth Reporting: PR: Journalism major and JOU 2100C, or C.I. Writing with analysis, using detail, research. May be used in the degree program a maximum of once. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4300 COS-COMM 3(3,0) Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

JOU 4306C COS-COMM 3(1,2) Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 3015 COS-COMM 3(3,0) Metro Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Spring.

JOU 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SCP 1608, SCP 1603C or COM 1000, and C.I. Focuses on the production of a weekly Spanish campus webcast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor. Fall, Spring.

JOU 3915 COS-COMM 3(3,0) Knightly Latino: Spanish Language News: PR: JOU 2100C and RTV 3231, or C.I. Focuses on community issues and principles of the journalism industry for the production of a weekly Spanish language news program. Fall, Spring.

JOU 4181 COS-COMM 3(3,0) Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in JOU 2100C and a minimum grade of "C" (2.0) in JOU 3184C or JOU 3191. Reporting on city, county and state government. Occasional.

JOU 4211C COS-COMM 3(2,1) Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts, graphs in news writing. Fall, Occasional.

JOU 4231C COS-COMM 3(2,1) Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and design. Occasional.

JST 3005 CAH-JUD 3(3,0) Tenets of Judaism: PR: ENC 1101 and ENC 1102. Jewish values, traditions, practices, and beliefs that define Judaism. Occasional.


JST 3121 CAH-JUD 3(3,0) Classic Texts of Judaism: PR: ENC 1102. Studies in the Bible, post-Biblical Rabbinic writings, Ezra, Apocrypha, the Qumran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.


JST 3126 CAH-JUD 3(3,0) Romantic Love in the Bible: PR: ENC 1102, Junior standing. The dimensions of romantic love in the Hebrew Bible, focusing on the depiction of human feelings of love and relationships; the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3(3,0) Dead Sea Scrolls: PR: Junior standing or C.I. The scrolls, their literary and historical context, and significance. Occasional.

JST 3149 CAH-JUD 3(3,0) Judaism and Jesus: PR: ENC 1102 or C.I. Examines the implications of the "historical Jesus" and early Christianity on the Jewish people, particularly late antitype and the Second Jewish Commonwealth. Occasional.

JST 3190 CAH-JUD 3(3,0) The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0) Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0) Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

JST 3401 CAH-JUD 3(3,0) Jewish People in Antiquity: PR: ENC 1102. History and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.


JST 3415 CAH-JUD 3(3,0) American Jewish History: PR: ENC 1102, Jewish presence in America and its influence on and contribution to American life and culture. Occasional.

JST 3417 CAH-JUD 3(3,0) Sephardi Jews: History, Culture, and Folklore: PR: ENC 1102. Study of Sephardi Jews (expelled from Spain) as dispersed in Europe and the Middle East following the Expulsion from Spain in 1492. Even Spring.
- JST 3424 CAH-JUD 3(3,0) Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

- JST 3450 CAH-JUD 3(3,0) Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

- JST 3481 CAH-JUD 3(3,0) 20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heidegger, Buber, in the historical context of European immigration to the U.S. Occasional.

- JST 3510 CAH-JUD 3(3,0) Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. Occasional.

- JST 3514 CAH-JUD 3(3,0) Great Men of Shaped Jewish History: PR: ENC 1101 or C.I. Great minds that shaped Jewish history from antiquity to the Modern Age will be explored. Also their philosophy and theology will be studied. Occasional.

- JST 3550 CAH-JUD 3(3,0) Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.


- JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution and destruction of European Jewry by Nazi Germany and its consequences for the Jewish people, the world and Jewish history. Occasional.

- JST 3751 CAH-JUD 3(3,0) Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. The rise of secularism in modern Jewish life and the impact of the Holocaust on Jewish identity. Occasional.

- JST 3803 CAH-JUD 3(3,0) The Israeli Experience in Short Stories: PR: ENC 1102. The Israeli experience in contemporary short stories. Themes include Judaism - Past & Present; War & Peace; Society; the Holocaust; the Kibbutz and Israeli reality. Occasional.


- JST 3820 CAH-JUD 3(3,0) Modern Israeli Culture: PR: ENC 1102. Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

- JST 3821 CAH-JUD 3(3,0) Israel: Start-Up Nation: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Development of Israel as a nation, including elements of nation building, the role of religion, culture, science, N-techno, and higher education. Occasional.

- KOR 110C CAH-LANG 4(4,0) Elementary Korean Language and Civilization I: Beginning language course for those who have no prior or very limited knowledge in Korean. Fall.

- KOR 112C CAH-LANG 4(4,0) Elementary Korean Language and Civilization II: PR: KOR 110C. Continuation of KOR 110C designed as a beginning language course for those who have no prior or limited knowledge Korean Language. Spring.

- LAE 3414 ED-TL&L 3(3,0) Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

- LAE 4314 ED-TL&L 3(3,0) Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

- LAE 4342 ED-TL&L 3(3,0) Programs in Teaching Language and Composition: PR: EDG 4410; CR: LAE 3460 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students to study. Fall, Spring.

- LAE 4360 ED-TL&L 3(3,0) English Instructional Analysis: PR: EDG 4410, EDF 4467, ESL 4080, and LAE 4465 and CR: LAE 4432 and LAE 3940. Course objectives for a school curriculum and methods and materials which have special applications for teaching English at the middle and high school grade. Fall, Spring.

- LAE 4361 ED-TL&L 3(3,0) Literacy Strategies in a Digital Age for Middle and High School: PR: EDG 4410 and EDF 4467. Assists teachers in presenting information using digital literacies, technological innovations and multicultural models of instruction, emphasizing language skills for middle and high school adolescents. Spring.

- LAE 4464 ED-TL&L 3(3,0) Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent/young adult literature from an educational and historical perspective. Spring.

- LAE 4466 ED-TL&L 3(3,0) Canon, Young Adult Literature and the English Language Arts Curriculum: PR: EDG 4410, TSL 4080. This course focuses on special application for teaching canonical texts while demonstrating the bridge between canonical text and young adult literature for teaching English Language Arts at middle and high school. Spring.

- LAE 5195 ED-TL&L 3(3,0) CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

- LAE 5295 ED-TL&L 1-3(1-3) Writing Workshop: PR: C.I. Students will engage in exploration and practice of effective writing strategies. (May be repeated up to 3 semester hours.) May be repeated for credit. Occasional.

- LAE 5319 ED-TL&L 3(3,0) Methods of Elementary School Language Arts: PR: Graduate standing. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

- LAE 5337 ED-TL&L 3(3,0) Literacy Strategies for Middle and Secondary Teaching: PR: EDG 4415 or C.I. Designed to assist teachers and graduate students in understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Fall, Spring.

LDR 4630 CAH-HIST 3(3,0) History of Modern Brazil: PR: WOH 2022 or C.I. Major themes of the history of modern Brazil (ca. 1750-present). Occasional.

LDR 4742 CAH-HIST 3(3,0) The Mexican Revolution: PR: AMH 2020 or C.I. Political movements, social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.


LAH 5713 CAH-HIST 3(3,0) Colloquium in U.S.-Latin American Relations: PR: Graduate standing or C.I. The course will examine U.S.-Latin American relations from an historical perspective. It will be presented through readings and discussion of selected materials. Occasional.

LAH 5920 CAH-HIST 3(3,0) Colloquium in Latin American History: PR: Graduate standing or C.I. Examines the major themes and historiography of recent works on Latin American history. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LAS 3002 CAH-LAS 3(3,0) Topics in Latin American Studies: PR: SPN 1121C or SPN 2200 or equivalent or C.I. Contemporary issues in Latin America including, among others, transformational events in politics, culture, education, and business. Fall, Spring.

LSD 3101 CAH-LAS 3(3,0) Latin American Popular Culture: PR: SPN 1121C or CR: SPN 1121C. Examines folklore and digital media of Latin American culture with a special focus on Mexico, Puerto Rico, and Peru. Occasional.

LAS 3220 CAH-LAS 3(3,0) Brazilian Culture: PR: ENC 1102. Interdisciplinary examination of Brazilian culture through cinema, music, literature, and fine arts. Spring.

LAS 4023 CAH-AS 3(3,0) African Caribbean Experience: PR: ENC 1102 or C.I. Interdisciplinary study of the evolution of African Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LAS 4910 CAH-LAS 3(3,0) Capstone: PR: LAS 3002. Research project in Latin American Studies. Fall, Spring.

LDR 2001 UGST-INTERDISC 2(2,0) Foundations of Leadership: PR: Student enrolled in LEAD Scholars, Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.


LDR 2262 UGST-INTERDISC 10(1) Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded SU. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0) Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0) Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LEI 4266 ED-E&HS 3(1,2) Outdoor and Leisure Activities: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Study, selection, and leisure activities. Course will include but not be limited to the "adventure activity curriculum," camping, water activities, fishing, orienteering, hiking. Occasional.

LIN 3010 CAH-ENG 3(3,0) Principles of Linguistics: PR: Grade of C (2.0) or better required in ENC 1102. An overview of the modern linguist’s approach to language. Analytic methods of phonology, morphology, syntax. Brief systematic survey of diacritics, language acquisition, and semantics. Occasional.

LIN 3673 CAH-WRITE 3(3,0) Rhetorical Grammar: PR: ENC 1102. Focus on learning and practicing grammatical techniques that today’s expert writers use to increase rhetorical impact on the reader. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0) Language Sciences: PR: Grade of C (2.0) or better required in ENC 1102. Course will include but not be limited to the “adventure activity curriculum,” camping, water activities, fishing, orienteering, hiking. Occasional.

LIN 3716 HPA-COM SC&DIS 3(3,0) Language Development: PR: LIN 3713. CR: LIN 3716L. Spoken and written language development, including infancy to adulthood. Fall, Spring.


LIN 4105 CAH-ENG 3(3,0) History of the English Language: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-ENG 3(3,0) Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0) African-American Styles of Communication: PR: Grade of "C" (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinestics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0) Cross-Cultural Communication: PR: Junior standing or C.I. and C. (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0) Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0) Linguistics and Literature: PR: Grade of "C" (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4660H CAH-ENG 3(3,0) Modern English Grammar: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4801 CAH-ENG 3(3,0) Language and Meaning: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. A study of language and meaning in social, civic, cultural, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(3,0) Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(3,0) English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2110 CAH-ENG 3(3,0) World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0) World Literature II: PR: ENC 1102. Readings from Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0) Continental European Fiction Since 1900: PR: Grade of "C" (2.0) or better required in ENC 1102. A close look at the significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3132 CAH-ENG 3(3,0) Legend & Literature of King Arthur: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Surveys 1500 years of Arthurian legend and literature, including such authors as Thomas Malory, Chretien de Troyes, and Mark Twain. Occasional.

LIT 3192 CAH-ENG 3(3,0) Caribbean Literature: PR: Grade of "C" (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; in English. Occasional.

LIT 3192H CAH-ENG 3(3,0) Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Honors content.

LIT 3202 CAH-ENG 3(3,0) Death and Dying: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Surveys the subject of death and grief in the many literary genres fiction, memoir, non-fiction). With Honors content. Occasional.

LIT 3202H CAH-ENG 3(3,0) Honors Death and Dying: PR: ENC 1102H or equivalent credit, and consent of Honors. Explores the subject of death and grief in the many literary genres fiction, memoir, non-fiction). With Honors content. Occasional.

LIT 3206 CAH-ENG 3(3,0) Place and Space in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. Occasional.

LIT 3206H CAH-ENG 3(3,0) Honors Place and Space in Literature: PR: Consent of Honors. Analysis of how authors develop place and space and how this creates meaning in texts. With Honors content. Occasional.

LIT 3212 CAH-ENG 3(3,0) Research & Writing About Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Research, writing, and critical analysis skills applicable to upper-level literature courses Occasional.
LIT 3313 CAH-ENG 3(3,0) Science Fiction: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. An investigation of science fiction as a literary form, together with selected readings. Occasional.

LIT 3313H CAH-ENG 3(3,0) Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3368 CAH-ENG 3(3,0) Magical Realism in Literature: PR: Grade of C (2.0) or better in ENC 1102, or C.I. Magical realism in literature, including consideration of its popularity, development, and treatment in various cultural contexts. Occasional.

LIT 3381 CAH-ENG 3(3,0) Women Writers of Color: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3382 CAH-ENG 3(3,0) Literary Modernism: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines a specific period, a literary movement, and a set of aesthetic/formal practices applied to poetry, novels, essays, and manifestos. Occasional.

LIT 3823 CAH-ENG 3(3,0) Hispanic Women Writers: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Hispanic women writers in a variety of genres. Occasional.

LIT 3833 CAH-ENG 3(3,0) Modern Asian Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Asian literatures in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

LIT 3834 CAH-ENG 3(3,0) Chinese Poetry in Translation: PR: Grade of C (2.0) or better in ENC 1102, or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.

LIT 3835 CAH-ENG 3(3,0) Translated Modern Chinese Novels: PR: Grade of C (2.0) or better in ENC 1102, or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

LIT 3905 CAH-ENG 3(3,0) Directed experience in Literature: PR: ENC 1102, C.I. Individualized topic of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3907 CAH-ENG 3(3,0) Directed experience in Literature: PR: ENC 1102, C.I. Individualized topic of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3931 CAH-ENG 3(3,0) Topics in World Literature: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Topics in world literature selected from different cultures. May be repeated for credit if content is different. Occasional.

LIT 3932 CAH-ENG 3(3,0) Topics in Popular Fiction: PR: Grade of C (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. May be repeated for credit only if content is different. Occasional.

LIT 3933 CAH-ENG 3(3,0) Literature and Law: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 3933H CAH-ENG 3(3,0) Honors Literature and Law: PR: Consent of Honors. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. With Honors Content. Occasional.

LIT 4043 CAH-ENG 3(3,0) Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0) Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4223 CAH-ENG 3(3,0) Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the impact of postcolonial theory on other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: Grade of C (2.0) or better required in ENG 3014 or C.I. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(3,0) Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodern world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4374H CAH-ENG 3(3,0) Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(3,0) Literature of Science and Technology: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.


MAA 4227 COS-MATH 3(3,0) Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 4402 COS-MATH 3(3,0) Introduction to Complex Variables: PR: MAC 2313 and MAP 2302 and MTH 3302, or C.I. Analytic functions and complex integration. Residue integration. Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. Spring.

MAA 4934 COS-MATH 3(3,0) Topics in Analysis: PR: MAS 3106 and MAA 4426, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAA 5210 COS-MATH 3(3,0) Topics in Advanced Calculus: PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor’s theorem, series, uniform convergence, inverse and implicit function theorems. Fall.

MAA 5228 COS-MATH 3(3,0) Analysis I: PR: MAS 3106 and C.I. Real numbers, limits, differentiation, Rieman integrals, Riemann-Stieljes integrals, calculus in R^n; metric and normed spaces; contraction mapping theorem, inverse and implicit functions. Fall.

MAC 1105C COS-MATH 3(1,3) College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAT 1033C with a C (2.0) or better, or C.I. Linear equations and inequalities, graphs, rational, logarithmic, and exponential functions. Systems of equations. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or Intermediate algebra in 2 years of high school algebra, and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.
MAC 1140C COS-MATH 3(3,1)
College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete the UCF Math Placement Exam, or MAC 1105C with a "C" (2.0) or higher, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140C COS-MATH 3(3,1)
Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a "C" (2.0) or better, or C.I. Polynomials, rational, exponential, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH 5(5,0)
Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go directly into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0)
Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. The differential and integral calculus of real, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0)
Applied Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1114C with a "C" (2.0) or better, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2253 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH 4(3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better, or C.I. The differential and integral calculus of real, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2251. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, or an AB sub-score of 5 or better on the Calculus BC Advanced Placement Exam. Differentiation and integration of elementary, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 5 on the Calculus AB Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logistic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates; infinite sequences and series. With Honors consent. Fall, Spring.

MAC 2313 COS-MATH 4(4,0)
Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, and permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green’s Theorem and Stoke’s Theorem. With Honors consent. Spring.

MAC 2104 COS-MATH 3(3,0)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 3(3,0)
Introduction to Combinatorics: PR: MAC 2312, and either MHF 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets, recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAC 4301 COS-MATH 3(3,0)
Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity, traversal methods, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAC 4934 COS-MATH 3(3,0)
Topics in Discrete Mathematics: PR: MAS 3106 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAC 5205 COS-MATH 3(3,0)
Graph Theory I: PR: MAD 2403, graduate standing or C.I. Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory. Odd Spring.

MAE 2801 ED-TL&L 4(4,1)
Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 3310 ED-TL&L 3(3,0)
Elementary School Mathematics for Teaching: I PR: Junior standing or C.I. This course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAE 3311 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching II: PR: Admission to the Elementary Education, Education major or minor. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAE 3366 ED-TL&L 3(3,0)
Middle and High School Mathematics for Teaching: PR: Admission to the Mathematics, Education major or minor. This course provides a foundation in the pedagogical content knowledge for teaching mathematics topics for the middle and high school settings with an emphasis on algebra and geometry. Spring.

MAE 4300 ED-TL&L 3(3,0)

MAE 4301 ED-TL&L 3(3,0)
Mathematics Instructional Analysis: PR: EDG 4410 and MAE 4634. CR: MAE 3940. Study of common misconceptions in mathematics, and survey of methods and materials which have special application for teaching mathematics. Fall.

MAE 4634 ED-TL&L 3(2,1)

MAE 5327 ED-TL&L 3(3,0)
Teaching Middle School Mathematics: PR: EDG 6415 and TSL 5985 or admission to Initial Teacher Professional Preparation certificate. Required special methods course for mathematics K-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5336 ED-TL&L 3(3,0)

MAE 5935 COS-MATH 3(3,0)
Post-Secondary Mathematics: PR: Graduate standing or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 3025 BA-MAN 3(3,0)
Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, or for non-business majors, ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and motivation. Fall, Spring.

MAN 3025H BA-MAN 3(3,0)
Honors Management of Organizations: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior, and motivation. Credible to honors students. Spring.

MAN 3301 BA-MAN 3(3,0)
Strategic Human Resource Management: PR: Admission to the Management major. Provides students with a complete, comprehensive view of the strategic importance of the essential human resource management concepts and techniques for any student majoring in Management. Fall, Spring.

UNIVERSITY OF CENTRAL FLORIDA 505 Undergraduate Catalog 2016-2017
MAN 4240  BA-MAN  3(3,0)
Essentials of Human Resource Management for Integrated Business: PR: Admission to the Integrated Business major. Prepares managers as contributors to the development and implementation of HR policies and practices. Legal issues and relationships with other business functions are emphasized. Fall, Spring.

MAN 3354  BA-MAN  3(3,0)
Empowerment and Training for Non-Business Majors: PR: MAC 2312 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAN 4029  BA-MAN  3(3,0)

MAN 4046  BA-MAN  3(3,0)
Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall, Spring.

MAN 4101  BA-MAN  3(3,0)
Human Relations in Management: PR: Management major, MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4143  BA-MAN  3(3,0)
Leadership Development: PR: Admission to the Management major. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall, Spring.

MAN 4209  BA-MAN  3(3,0)
Designing Dynamic Organizations: PR: Admission to the Management major. Explores how innovative organization design represents an important source of competitive advantage for organizations of all types. Fall, Spring.

MAN 4240  BA-MAN  3(3,0)

MAN 4320  BA-MAN  3(3,0)
Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4329  BA-MAN  3(3,0)
Business Analytics in Human Resource Management: PR: Admission to the Management major. Presentations, methodologies, infrastructure, and current practices used to transform data from many sources into useful information for human resource management and decisions. Fall, Spring.

MAN 4330  BA-MAN  3(3,0)
Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current practices and issues and their application to the design and administration of pay systems in large and small organizations Fall, Fall, Spring.

MAN 4350  BA-MAN  3(3,0)
Performance Management: PR: Admission to the Management major. The management of worker performance through the training and development activities delivered by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4441  BA-MAN  3(3,0)

MAN 4532  BA-MAN  3(3,0)
Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will team with engineering students to obtain hands on experience at solving real world design problems in a team based environment. Fall, Spring.

MAN 4583  BA-MAN  3(3,0)
Project Management: PR: Admission to the Integrated Business major. Foundations of project management in large and small, traditional and business environments. Covers the project environment, the project manager’s role, and project phases from initiation to closing. Fall, Spring.

MAN 4600  BA-MAN  3(3,0)
International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701  BA-MAN  3(3,0)
Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today’s complex political, social, economic and technological environment. Fall, Spring.

MAN 4720  BA-MAN  3(3,0)
Strategic Management: PR: Admitted to Business major, senior standing, and completion of MAN 3025, MAC 2312, MIN 3003, EOP 3113, and ACC 3173 or ACC 3171 or ACC 3171S. Students assume a strategic view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4941  BA-MAN  3(3,0)
Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5037  BA-MAN  1.5(1.5,0)
Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.

MAN 5050  BA-MAN  2(2,0)

MAN 5867  BA-MAN  3(3,0)

MAP 2302  COS-MATH  3(3,0)
Ordinary Differential Equations I: PR: Grade of "C" (2.0) or better in MAC 2313, or C.I. Methods of solution for first order equations. Linear equations. Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H  COS-MATH  3(3,0)
Honors Differential Equations: PR: Grade of "C" (2.0) or better in MAC 2313, and permission of Honors. Methods of solution for first order equations. Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H  COS-MATH  3(3,0)

MAP 3923  COS-MATH  1(1,0)
Frontiers in Mathematical Research: Colloquia and Public Talks: PR: MAP 2302 or C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 4103  COS-MATH  3(3,0)

MAP 4113  COS-MATH  3(3,0)
Probability, Random Processes and Applications: PR: MAC 2313, Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Fall.

MAP 4153  COS-MATH  3(3,0)
Vector and Tensor Analysis: PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4177  COS-MATH  3(3,0)
Optimization: PR: MAC 2313, and MAP 2302, and MAS 3105 or MAS 3106, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303  COS-MATH  3(3,0)

MAP 4341  COS-MATH  3(3,0)

MAP 4342  COS-MATH  3(3,0)

MAP 4371  COS-MATH  3(3,0)
Numerical Methods for Differential Equations: PR: MAC 2313, and MAP 2302, and COP 3223C, and MAS 3105 or MAS 3106, or C.I. Numerical theory and practice used in solving ordinary differential equations and PDE. Covers Euler’s method, trapezoidal rule, multi-step methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.

MAP 4384  COS-MATH  3(3,0)

MAP 4484  COS-MATH  3(3,0)
Mathematical Biology I: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excitable systems. Occasional.

MAP 4494  COS-MATH  3(3,0)
Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemiology, immune systems, cellular foraging; cancer modeling; physiological modeling; genetics; protein folding. Occasional.
MAP 4640 COS-MATH 3(3,0)

MAP 4934 COS-MATH 3(3,0)
Topics in Applied Mathematics: PR: MAP 2032, and graduate status or senior standing, or C.I. Introduction to modern and scientific applications: techniques for studying statistical and deterministic models. Even Fall.

MAP 5336 COS-MATH 3(3,0)

MAP 5426 COS-MATH 3(3,0)
Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations, and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0)
Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods, orthogonal functions, and applications to engineering. Occasional.

MAP 5517 COS-MATH 3(3,0)
Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications: techniques for studying statistical and deterministic models. Even Fall.

MAP 5536 COS-MATH 3(3,0)
Research Seminar: PR: C.I. Four instructors will introduce the students to a research area by presenting necessary background topics. Occasional.

MAP 5911 COS-MATH 1(1,0)
Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and conducting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 3(3,0)
Marketing: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, or for non-business majors, ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better. Study of how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Honors Marketing: PR: ACG 2021 and ECO 2013 or ECO 2023 each with a grade of "C" (2.0) or better, or for non-business majors, ECO 2013 or ECO 2023 with a grade of "C" (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in marketing decision making, assets, and flows of materials and information to meet customers' needs. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Honors Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers' needs. Fall, Spring.

MAR 3023H BA-MAR 3(3,0)
Integrated Marketing Communication: PR: Marketing Minor and MAR 3023 with a "B" (3.0) or better. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0)
Professional Selling: PR: Marketing major or Marketing minor, and MAR 3023 with a grade of "B" (3.0) or better. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Fall, Spring.

MAR 3391H BA-MAR 3(3,0)
Honors Professional Selling: PR: Marketing major or Marketing minor, and MAR 3023 with a grade of "B" (3.0) or better, and consent of the Honors College. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Occasional.

MAR 3403 BA-MAR 3(3,0)
Sales Force Management: PR: MAR 3023 with a "B" (3.0) or better and appropriate major or minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Occasional.

MAR 3407 BA-MAR 3(3,0)

MAR 3503 BA-MAR 3(3,0)
Consumer Behavior: PR: Admission to the Marketing major. Individuals, groups, or organizations and the process utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.

MAR 3611 BA-MAR 3(3,0)
Marketing Analysis and Research Methods: PR: Marketing major or Professional Selling minor, and MAR 3023 with a "B" (3.0) or better. Study of analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.

MAR 3613 BA-MAR 3(3,0)
Marketing Research: PR: MAR 3615 with a grade of "C" (2.0) or better. The acquisition of information using various marketing research methods, as well as the application of results to marketing decision making. Fall, Spring.

MAR 3615 BA-MAR 3(3,0)
Marketing Analysis: PR: Admission to the Marketing major. Study of analytic methods, tools, processes, and technologies that enable marketers to evaluate the success of marketing activities and initiatives. Fall, Spring.

MAR 3641 BA-MAR 3(3,0)
Marketing Intelligence: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Contemporary sources and applications of information concerning external forces impacting marketing decision making. Occasional.

MAR 3721 BA-MAR 3(3,0)
Digital Media Marketing: PR: Admission to the marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.

MAR 3765 BA-MAR 3(3,0)
Entrepreneurial Marketing: PR: Marketing major and MAR 3023 with a "B" (3.0) or better, or admission to the Entrepreneurship certificate or the Entrepreneurship minor or the Technological Entrepreneurship minor. Explores how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR 3(3,0)
International Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Investigates strategy, policy and the variables relevant to international marketing decisions. Occasional.

MAR 4231 BA-MAR 3(3,0)
Retailing Management: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. The field of retailing. Emphasis on planning for profitability through demand forecasting, inventory control, customer relationship management and brand leadership. Occasional.

MAR 4413C BA-MAR 2(3,0)
Strategic Issues in Sales: PR: MAR 4415C or the equivalent. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.

MAR 4415C BA-MAR 2(3,0)
Advanced Professional Selling: PR: Admission to the professional selling track in the Marketing major or to the Professional Selling minor. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Occasional.

MAR 4418 BA-MAR 3(3,0)
Fundamentals of Sales Force Management: PR: Admission to the Marketing major or the Professional Selling minor. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.

MAR 4711 BA-MAR 3(3,0)
Sport Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0)
Healthcare Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0)
Entrepreneurial Marketing: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. The communication processes that form the basis of professional selling to businesses and to individuals. Focus is on applied exercises and role-play situations. Occasional.

MAR 4803 BA-MAR 3(3,0)
Marketing Management: PR: Marketing Minor and MAR 3611 with a grade of "C" (2.0) or better. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR 3(3,0)
Marketing Strategy: PR: MAR 3613 with a grade of "C" (2.0) or better. Marketing issues are explored, with emphasis on strategy formulation and integrative marketing decision making. Fall, Spring.

MAR 4832 BA-MAR 3(3,0)
Product Management: PR: MAR 3613 with a grade of "C" (2.0) or better. Study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.

MAR 4840 BA-MAR 3(3,0)
Fundamentals of Services Marketing: PR: Admission to the Integrated Business major. Study of marketing decision making in services sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.

MAR 4841 BA-MAR 3(3,0)
Services Marketing: PR: Admission to the marketing major. Examination of marketing in services industries, with particular emphasis on the Business sector. Study of marketing decision making in services industries, with particular emphasis on the Business sector. Study of marketing decision making in services industries, with particular emphasis on the Business sector.

MAR 4934 BA-MAR 3(3,0)
Contemporary Marketing Topics in Florida: PR: Marketing minor and MAR 3023 with a "B" (3.0) or better. Advanced study of contemporary marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.
UCF Courses and Descriptions

MAR 4941 BA-MAR 3(3,0)
Marketing Internship: PR: Admission to the Marketing major or minor, and application to and approval by the Department of Marketing. Provides students with supervised, market-related work experience in a sponsoring organization. Application and approval required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0)
Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvalues, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3105H COS-MATH 4(4,0)
Honors Matrix and Linear Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvalues, Jordan Canonical Form, matrix functions, quadratic forms, with honors content. Fall.

MAS 3106 COS-MATH 4(4,0)
Linear Algebra: PR: MHF 3302 and MAC 2312, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MHF 3302. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in group theory, including ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH 3(3,0)
Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0)
Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan normal form, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0)
Advanced Linear Algebra: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Hölder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions, radicals, rational exponents, linear and quadratic equations, linear inequalities, and applications. This course is a “bridge course” which may be applied toward a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 3937 COS-MATH 1(1,0)
Techniques of Problem Solving: PR: MAC 2311C and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded SU. May be repeated for credit. Fall.

MAT 5712 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2313, MAP 2302, and either MAS 3105 or MAS 3106, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided; differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MGB 1000 COM-BSSS 3(3,0)
The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our every day lives. Fall.

MGB 1310 COM-BSSS 3(3,0)

MGB 2004C COM-BSSS 4(3,2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00

MGB 3020C COM-BSSS 3(3,4)
General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology environmental control, ecology, pathology, and laboratory techniques. Fall, Spring. M&S fee $53.00

MGB 3020C COM-BSSS 3(3,5)
Honors General Microbiology: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MGB 3020C with enrichment and further development of analytical skills in a separate laboratory discussion section. With Honors content. Fall. M&S fee $53.00

MGB 3022 COM-BSSS 3(3,0)
Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MGB 3203 COM-BSSS 3(3,0)
Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MGB 3203L COM-BSSS 1(0,3)
Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $53.00

MGB 3316H COM-BSSS 3(3,0)
Honors Biotechnology and Genetic Engineering Seminar: PR: Permission of Honors. Principles and applications; laws, ethics and impact on society, of biotechnology and genetic engineering in agriculture, medicine, forestry, environment, computer/industrial chemical engineering and business administration. Occasional.

MGB 4114C COM-BSSS 4(3,3)

MGB 4201 COM-BSSS 3(3,0)
Microbial Stress Response: PR: MCB 3020C and PGB 3522. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MGB 4204 COM-BSSS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PGB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MGB 4207 COM-BSSS 3(3,0)
Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. Fall.

MGB 4224 COM-BSSS 3(3,0)
Molecular Biology of Diseases: PR: PGB 3522 or PGB 3523. In-depth knowledge of current advances in the molecular mechanisms underlying human diseases. Topics include autoimmunity, neurodegeneration, aging, drug addiction, obesity, and cancer. Spring.

MGB 4276 COM-BSSS 3(3,0)
Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MGB 4312 COM-BSSS 3(3,0)
Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MGB 4404 COM-BSSS 3(3,0)
Bacterial Genetics and Physiology: PR: PGB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MGB 4410 COM-BSSS 3(3,0)
Cellular Metabolism: PR: PGB 3522 or PGB 3023. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MGB 4414 COM-BSSS 3(3,0)
Microbial Metabolism: PR: BSC 3403. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MGB 4503C COM-BSSS 3(3,0)

MGB 4603 COM-BSSS 3(3,0)
Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MGB 4653 COM-BSSS 3(1,6)
Applied Industrial Microbiology: PR: MCB 3020C and BSC 3403C. Combination of molecular and biochemical analyses with applied industrial microbiology projects. Fall.

MGB 4720 COM-BSSS 3(3,0)
Industrial Perspectives Seminar: PR: Biotechnology major and CR: MCB 3020C. Concepts and techniques of basic research and drug development. Speakers from the biotechnology/pharmaceutical industry will show applications. Fall.

MGB 4721C COM-BSSS 4(2,4)
Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

MGB 4820C COM-BSSS 3(1,4)
Group-Effect Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on high-impact, technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MGB 4920H COM-BSSS 3(1,4)
Honors Group Effort Applied Research (GEAR): PR: BSC 3403C and Consent from Honors. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on high-impact, technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.
MCB 4940 COM-BSBS 3(3,0) Methodology in Biomedical Sciences Instruction: PR: MCB 323L or PCB 323L, or PCB 3703C or ZOO 3733C or MCB 3202C, and C.I. Reinforces lab techniques; students will also gain experience in teaching by assisting instructors of different biomedical science labs. Fall, Spring.

MCB 5205 COM-BSBS 3(3,0) Infection, Progression, and Pathogenesis: PR: MCB 3202C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-BSBS 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3532. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 5209 COM-BSBS 3(3,0) Microbial Stress Response: PR: Graduate standing or C.I. Examination of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. Fall.

MCB 5225 COM-BSBS 3(3,0) Molecular Biology of Disease: PR: Graduate standing or C.I. An in-depth study of the molecular biological mechanisms of disease in experimental animal models and human populations. Occasional.

MCB 5314 COM-BSBS 1(1,0) Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

MCB 5415 COM-BSBS 3(3,0) Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCB 5505 COM-BSBS 3(3,0) Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion diseases, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5654 COM-BSBS 3(3,0) Applied Microbiology: PR: MCB 3202C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5700 COM-BSBS 4(2,4) Methods in Biotechnology: PR: Graduate standing. A laboratory course that will train graduate students in the use of biotechnological tools for the investigation of biological systems.

MCB 5932 COM-BSBS VAR(VAR,VAR) Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 COS-MATH 3(0,0) Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.

MGH 3302 COS-MATH 3(3,0) Logic and Proof in Mathematics: PR: MAC 2311 or MAC 2312. Basic mathematical logic. Methods of proof in mathematics. Application of proofs to elementary mathematical structures. Fall, Spring.

MGH 4404 COS-MATH 3(3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MGH 4934 COS-MATH 3(3,0) Topics in Foundations and History of Mathematics: PR: MGF 3302 and MAS 3105, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MHS 2090 ED-CFCFS 3(3,0) Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course orientates students to the operation of human service agencies. Fall, Spring.

MHS 2330 ED-CFCFS 3(3,0) Career Planning: C.I. An introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-CFCFS 3(3,0) Couples, Families and Intimate Relationships: Dynamics of families, couples, intimate relationships, dating, courtship and choices of establishing stable and satisfying couples and families, impact of divorce, premarital and couples education. Fall, Spring.

MHS 3052 ED-CFCFS 4(0,8) Helping Skills for Human Service Providers: PR: MHS 2090. Focuses on the interpersonal skills necessary to the practice of the human service industry. Emphasis on motivating and supporting clients who are experiencing challenging situations. Spring.


MHS 5005 ED-CFCFS 3(3,0) Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Education Phase program, MLS 4460C. Instruction and practice of counseling skills. Fall, Spring.

MLS 3220C COM-BSBS 3(3,0) Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. MLS fee $70.00

MLS 3305 COM-BSBS 3(3,0) Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow disease. Fall. MLS fee $70.00

MLS 3305L COM-BSBS 1(0,6) Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705 COM-BSBS 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MLS 4334 COM-BSBS 3(3,0) Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4430C COM-BSBS 3(2,3) Clinical Parasitology: PR: MCB 3202C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of human parasites. Fall. M&S fee $46.00

MLS 4460L COM-BSBS 1(0,6) Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. PR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00

MLS 4505C COM-BSBS 3(2,3) Immunodiagnostics: PR: PCB 3323 and PCB 3323L. Theory and application of immunologic principles and their use in diagnosis of human disease. Spring. M&S fee $70.00

MLS 4550 Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee $70.00

MLS 4625 ADVANCED CLINICAL CHEMISTRY I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid, renal function, gastrointestinal, electrolytes, and blood gases. Fall.

MLS 4625L COM-BSBS 1(0,3) Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

MLS 4630 ADVANCED CLINICAL CHEMISTRY II: PR: CHM 2210, PCB 3703C or C.I. Correlation of human disease states. Spring.

MLS 4830L COM-BSBS 4(0,8) Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4625, MLS 4630. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MLS 4831L COM-BSBS 4(0,8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4650C. Instruction and practice of blood banking and transfusion medicine laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MLS 4832L COM-BSBS 4(0,8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Instruction and practice of hematology laboratory procedures at an off-campus affiliated hospital/critical site. Fall.

MLS 4833L COM-BSBS 4(0,8) Diagnostic Microbiology: PR: Admission to the MLS program, MLS 4460C. Instruction and practice of clinical microbiological procedures at an off-campus affiliated hospital/critical site. Fall.

MLS 4910 COM-BSBS 1(1,0) Introduction to Clinical Research: PR: MLS 3220C, MLS 4625, MLS 4550. Introduces MLS students to different types of research within the critical setting. Spring.


MMC 2004 COS-COMM 3(3,0) Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall, Spring.

MMC 3200 COS-COMM 3(3,0) Mass Communication Law: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.
UCF Courses and Descriptions

MMC 3200H COS-COMM 3(3,0) Honors Mass Communication: Lec; PR: SPH 1608, SPH 1603C, COM 1000 or C.I. Legal rights and responsibilities of the mass media. Occasional.

MME 3420 COS-COMM 3(3,0) Mass Media Research Methods: Lab; R-TV or Ad-PR or Journalism major; or Mass Comm. minor; or C.I. Theory and methods of research used by media professionals and academics, focusing on radio-television and advertising-public relations research. Fall, Spring.

MME 3630 COS-COMM 3(3,0) Social Media as Mass Communication: Lec; Either SPH 1608, SPH 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. Occasional.

MME 4263 COS-COMM 3(3,0) New Media Technologies: Lab; PR: Majors only, R-TV 3511. An examination of the technologies impacting the communications media environment and society. Occasional.

MME 4300 COS-COMM 3(3,0) International Media: Lec; PR: Junior standing or C.I. The study and analysis of communication systems around the world. There will be at least six case studies from any of these areas - Asia, Latin American, Western Europe, Middle East, Africa. Occasional.

MME 4303 COS-COMM 3(3,0) Hispanics in Media in the US: Lec; PR: SPHC 1603 or SPC 2000 or COM 1000, or C.I. Examines historical and growth of Hispanics/Latinos in US media, including early depictions in media and current landscape of Spanish and English Hispanic/Latino Media. Spring.

MME 4411 COS-COMM 3(3,0) Ad-PR Campaigns: Lab; PR: Ad-PR majors only, PR: R-TV 3007 or either PUR 3100 or ADV 4101. An examination of the communications campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MME 4602 COS-COMM 3(3,0) Contemporary Media Issues: Lab; PR: R-TV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media's relationship with government. Occasional.

MME 1001C ECS-AROTC 2(1,1) Foundations of Officerhood: Examines the unique duties and responsibilities of officers, organization, and role of the Army, reviews skills pertaining to fitness and communication, and analyzes Army values and expected behavior. May be repeated for credit. Fall.

MME 1002C ECS-AROTC 2(1,1) Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MME 2101C ECS-AROTC 2(1,1) Individual Leadership Studies: Lab; PR: Knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MME 2102C ECS-AROTC 2(1,1) Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes, challenges current beliefs, knowledge and skills. Spring.

MME 3201C ECS-AROTC 4(3,1) Leadership and Problem Solving: Lec; PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad level battles. Fall.

MME 3202C ECS-AROTC 4(3,1) Leadership and Ethics: Lab; PR: MSL 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MME 3401C ECS-AROTC 4(3,1) Leadership and Management: Lec; PR: MSL 3202C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MME 3402C ECS-AROTC 4(3,1) Officerethics: Lec; PR: MSL 3401C. Capstone course to explore topics relevant to second lieutenants entering the Army, describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. Spring.

MME 4212 COS-MATH 4(0,0) Modern Geometries: Lec; MAC 2311C and MTH 3302. Sets of axioms, transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructed numbers, constructions and non-Euclidean geometry. Fall.

MME 4254 COS-MATH 3(3,0) Introduction to Differential Geometry: Lec; PR: MAC 2313 and MAS 3106, or C.I. Topics include curves and surfaces, differential manifolds, tangent space, differentials, curvature and torsion tensors, connections, covariant differentiation, lie derivative, integration on manifolds, and Riemannian manifolds. Occasional.

MME 4302 COS-MATH 3(3,0) Introduction to Topology: Lec; PR: MTHF 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MME 4934 COS-MATH 3(3,0) Topics in Topology and Geometry: Lec; PR: MAS 3105 or C.I. Advanced topics in geometry and topology. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MME 5253 COS-MATH 3(3,0) Introduction to Differential Geometry: Lec; PR: MAC 2313 or equivalents. Topics include curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MME 5256 COS-MATH 3(3,0) Differential Geometry: Lec; PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MME 1101C CAH-MUSIC 2(2,0) Composition I: Lab; PR: MUT 1122 and MUL 2014 each with a grade of "C" (2.0) or better or C.I. Creative work in small form. May be repeated for credit. Fall, Spring.

MME 2104C CAH-MUSIC 2(1,1) Composition II: Lec; PR: CME 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MME 3105C CAH-MUSIC 3(1,1) Composition III: Lec; PR: MSL 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MME 4106C CAH-MUSIC 4(1,1) Composition IV: Lec; PR: MSL 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 4 times. Occasional.

MME 4205 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Cumulating public concert of works written while studying Composition I-V. Graded S/U. Odd Fall.

MME 5112 CAH-MUSIC 2(1,0) Composition V: Lec; PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MME 2040 CAH-MUSIC 2(2.0) Introduction to Music Education: Lec; PR: MAE 2104 or C.I. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MME 2211 ED-TL&L 3(3,0) Early Childhood Learning and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MME 2346 CAH-MUSIC 1(0.2) Vocal Techniques: Lec; PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MME 2440 CAH-MUSIC 2(1,0) String Techniques: Lec; PR: MUE 2400, or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee $30.00.

MME 2450 CAH-MUSIC 1(1.0) Woodwind Techniques I: Lec; PR: MUE 2400, or C.I. Class instruction in wind instruments and pedagogical techniques. Fall.

MME 2460 CAH-MUSIC 1(2.0) Brass Techniques: Lec; PR: MUE 2400, or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit.

MME 2470 CAH-MUSIC 1(0.2) Percussion Techniques: Lec; PR: MUE 2400, or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teaching. Odd Spring. M&S fee $35.00.

MME 3333 CAH-MUSIC 3(3,0) Music Learning Theory and Assessment: Lec; PR: Admission to BME Professional Program. Learning theory and practical applications of assessment techniques as applied in the music classroom. Fall.


MME 3451 CAH-MUSIC 1(1.0) Woodwind Techniques II: Lec; PR: MME 2450, or C.I. Class instruction in woodwind techniques, with emphasis on double reeds. Occasional.

MME 3461 CAH-MUSIC 1(1.1) Brass Techniques II: Lec; PR: MME 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MME 3693 CAH-MUSIC 2(2,0) Technology in Music Education: Lec; PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring.

MME 3942 CAH-MUSIC 3(3,0) Music Internship I: Lec; PR: MME 3333, EDG 4410, TSL 4068, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MME 4311 CAH-MUSIC 2(2.0) Elementary School Music Methods: Lec; PR: Junior standing. Music major, Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.

MME 4331 CAH-MUSIC 3(3,0) Secondary Choral Methods I: Lec; PR: Admission to BME Professional Program. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Fall.
MUE 4332 CAH-MUSIC 3(3,0) Secondary Instrumental Methods I: PR: Admission to the BME Program; Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Fall.

MUE 4335 CAH-MUSIC 3(3,0) Secondary Choral Methods II: PR: MUE 4331 with a grade of "C" (2.0) or better. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUE 4337 CAH-MUSIC 3(3,0) Secondary Instrumental Methods II: PR: MUE 4332 with grade of "C" (2.0) or better. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.


MUE 4393 CAH-MUSIC 2(2,0) Music and Students with Special Needs: PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4441 CAH-MUSIC 3(3,0) String Methods: PR: MUE 4332. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUE 4791 CAH-MUSIC 0(0,0) BME ePortfolio: PR: MUE 3742 Music Internship I; CR: MUE 4943 Music Internship II. Required electronic portfolio for all Bachelor of Music Education majors to be taken in conjunction with MUE 4943 Music Internship II. Fall, Spring.

MUE 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUE 5921 CAH-MUSIC 2(2,0) Music Education Workshop: PR: Graduate standing in Bachelor of Music Education or certification in music education. Offered with hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1) Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.


MUG 3302 CAH-MUSIC VAR(VAR,VAR) Instrumental Conducting and Materials: PR: MUG 3104. Fundamental topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUM 2019 CAH-MUSIC 3(3,0) American Popular Music, 1840s-present: PR: C.I. Music since 1800. Survey of popular music in the United States from the 1840s to the present. Fall/Spring.


MUM 2071C CAH-MUSIC 1(0,1) World Music Survey and Performance Laboratory: PR: MUG 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUM 3211 CAH-MUSIC 3(3,0) Music History and Literature I: PR: MUM 3633 and MUG 1122 with a grade of "C" (2.0) or better. History of Western European art music from Antiquity to 1800. Fall/Spring.

MUM 3212 CAH-MUSIC 3(3,0) Music History and Literature II: PR: MUM 3211 with grade of "C" (2.0) or better. History of Western European art music from 1800 to present day Fall/Spring.

MUM 3633 CAH-MUSIC 3(3,0) Music in the United States: PR: MUL 2720 and MUG 1122 with grade of "C" (2.0) or better. Music of the United States of America from pre-Revolutionary times to present. Includes vernacular, jazz, popular, and art music traditions indigenous to the USA. Fall/Spring.

MUM 4218 CAH-MUSIC 1(1,0) Review of Music History: PR: C.I. A review of music history from Ancient Greece to the present. Occasional.

MUM 4322 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: MUM 3211 and MUM 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1500-1700. Odd Fall.

MUM 4341 CAH-MUSIC 3(3,0) Music of the Baroque: PR: MUM 3211 and MUM 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1650-1750. Fall.

MUM 4351 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: MUM 3211 and MUM 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.

MUM 4361 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: MUM 3211 and MUM 3212 with grade of "C" (2.0) or better. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUM 4371 CAH-MUSIC 3(3,0) Music Since 1900: PR: MUM 3211 and MUM 3212 with grade of "C" (2.0) or better. Western music art since 1900. Odd Spring.

MUM 4814 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: MUL 3171 and MUL 2016 with grade of "C" (2.0) or better. Historical style periods and master artists in jazz music. Odd Spring.

MUM 5326 CAH-MUSIC 3(3,0) Medieval and Renaissance Music: PR: Graduate standing in music or music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUM 5345 CAH-MUSIC 3(3,0) Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUM 5356 CAH-MUSIC 3(3,0) Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUM 5365 CAH-MUSIC 3(3,0) Music of the 19th Century: PR: Graduate standing in music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUM 5375 CAH-MUSIC 3(3,0) Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American art music from c. 1900 to the present. Occasional.

MUM 5665 CAH-MUSIC 3(3,0) Development of Opera: PR: Graduate standing in Music Education or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUM 5816 CAH-MUSIC 3(3,0) Jazz Styles and Analysis: PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1) Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall/Spring.

MUL 2010H CAH-MUSIC 3(3,0) Honors Enjoyment of Music: PR: Consent of Honors. Designed to develop an understanding of musical principles and techniques for listening to music, with Honors content. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0) Introduction to Music History and Literature: PR: Music major or C.I. Musical repertoires and cultures from the Western art music tradition. Even Fall.

MUL 2016 CAH-MUSIC 3(3,0) Exposure of Jazz: PR: Music major or C.I. Survey of jazz literature and performance. Fall/Spring.

MUL 2720 CAH-MUSIC 3(3,0) Music of the World: Music in cross-cultural context. Relation of music to religion and society. Fall/Spring.

MUL 2721 CAH-MUSIC 3(3,0) Survey of Latin American Music: Survey of Latin-American and Caribbean music, including musical traditions as well as historical and cultural connections. Occasional.

MUL 3381 CAH-MUSIC 3(3,0) Contemporary Popular Music: PR: MUL 2010 or MUL 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 2(1,1) Piano Literature I: PR: Major in Music or C.I. Survey of stringed keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1) Piano Literature II: PR: MUL 3400. Continuation of MUL 3400. Even Spring.

MUL 3463 CAH-MUSIC 2(2,0) Percussion Literature: PR: Music major (Percussion), Junior standing. C.I. Survey of music written for percussion instruments. Odd Fall.

MUL 3602 CAH-MUSIC 3(3,0) Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0) String Literature and Pedagogy: PR: MUL 2014. Important literature written for string instruments, and basic concepts and techniques to teach string. Odd Spring.

MUL 4438 CAH-MUSIC 3(3,0) Guitar Literature and Pedagogy: PR: MUL 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0) Brass Literature and Pedagogy: PR: MUL 2014. Important literature written for brass instruments, and basic concepts and techniques to teach brass. Odd Spring.
MUN 3143 CAH-MUSIC 1(0,4)
Wind Ensemble: PR: Open to all students by audition. Study and performance of music for wind ensemble and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3283 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3313 CAH-MUSIC 1(3,0)
University Chorus: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3323 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3343L CAH-MUSIC 1(0,3)
Chamber Singers: PR: C.I. A chamber choir of advanced singers. Open to all students by audition. Additional rehearsals and commitments required. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3423 CAH-MUSIC 1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0)
Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0)
Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3431L CAH-MUSIC 1(0,2)
Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensembles. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(0,2)
Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC 1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,2)
String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2)
Guitar Ensemble: PR: Audition or C.I. Study and performance of music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4)
Jazz Ensemble: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2)
Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Odd Spring. M&S fee $20.00

MUN 3813 CAH-MUSIC 1(1,1)
Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2)
Early Music Ensemble: PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Odd Spring. M&S fee $5.00

MUN 5126 CAH-MUSIC 1(0,3)
Concert Band: PR: Open to all graduate students by audition. Study and performance of music for large ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC 1(0,4)
Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5215 CAH-MUSIC 1(0,5)
Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3)
Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368L CAH-MUSIC 1(0,3)
Graduate Chamber Singers: PR: Graduate standing in Music Education and C.I. A select, mixed choir that explores music appropriate to a small, advanced ensemble, and performs in the Orlando area each semester. May be used in the degree program a maximum of 5 times. Fall, Spring. M&S fee $20.00

MUN 5385L CAH-MUSIC 1(0,3)
Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5445 CAH-MUSIC 1(0,2)
Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0,2)
Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5478L CAH-MUSIC 1(0,3)
Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0,4)
Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00
MUS 5365 CAH-MUSIC 3(3,0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5677 CAH-MUSIC 3(3,0)
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1124 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 1121 with a grade of “C” (2.0) or better. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1216 CAH-MUSIC 4(2,3)
Music Theory and Musicianship IV: PR: MUT 1216 with a grade of “C” (2.0) or better. Continuation of MUT 1126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC 4(2,3)
Music Theory and Musicianship III: PR: MUT 1216 with a grade of “C” (2.0) or better. Continuation of MUT 1126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

Music and Technology: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5316 CAH-MUSIC 3(3,0)
Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3,0)
Arranging and Composing Music: PR: Satisfactory placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Occasional.

MUT 5445 CAH-MUSIC 3(3,0)
Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(0,0)
Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC 1(0,1)

MVB 1212 CAH-MUSIC 1(0,1)
Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVB 1213 CAH-MUSIC 1(0,1)

MVB 1214 CAH-MUSIC 1(0,1)

MVB 1215 CAH-MUSIC 1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall,Spring.

MVB 1411 CAH-MUSIC 2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVB 1412 CAH-MUSIC 2(1,1)
French Horn I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVB 1413 CAH-MUSIC 2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVB 1414 CAH-MUSIC 2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVB 1415 CAH-MUSIC 2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall,Spring.

MVB 2421 CAH-MUSIC 2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall,Spring.

MVB 2422 CAH-MUSIC 2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall,Spring.

MVB 2423 CAH-MUSIC 2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall,Spring.
Tuba II: PR: MVB 2425 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall,Spring.

Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall,Spring.

Trumpet II: PR: MVB 3431 and competence determined by faculty jury. Continuation of MVB 2424. May be repeated for credit. Fall,Spring.

Trumpet III: PR: MVB 3431 and competence determined by faculty jury. Study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

French Horn II: PR: MVB 2422 and competence determined by faculty jury. Continuation of MVB 1415. May be used in the degree program a maximum of 3 times. Fall,Spring.

French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

French Horn IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the French horn for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall,Spring.

Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Study of performance skills of the euphonium, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

Euphonium V: PR: MVB 3434 and competence determined by faculty jury. Continuation of MVB 2424. May be repeated for credit. Fall,Spring.

Trumpet IV: PR: MVB 3431. Intensive advanced performance study of the trumpet, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

Trumpet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.

French Horn II: PR: MVB 2422 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall,Spring.

French Horn III: PR: MVB 2422 and competence determined by faculty jury. Continued study of performance skills of the French horn, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

French Horn IV: PR: MVB 3434 and competence determined by faculty jury. Intensive advanced performance study of the French horn for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

French Horn V: PR: MVB 3434 and competence determined by faculty jury. Continuation of MVB 2424. May be repeated for credit. Fall,Spring.

Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continuation of MVB 1415. May be used in the degree program a maximum of 3 times. Fall,Spring.

Tuba IV: PR: MVB 2425 and competence determined by faculty jury. Intensive advanced performance study of the tuba, for performance majors. May be used in the degree program a maximum of 3 times. Fall,Spring.

Tuba V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall,Spring.
MVS 3433 CAH-MUSIC 2(3,1,1) Cello II: PR: MVS 2423 and competence determined by faculty jury. Intensive study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2(3,1,1) Bass III: PR: MVS 2424 and competence determined by faculty jury. Intensive study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2(3,1,1) Harp II: PR: MVS 2425 and competence determined by faculty jury. Intensive advanced performance study of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2(3,1,1) Guitar III: PR: MVS 2426 and competence determined by faculty jury. Intensive study of performance skills of the guitar, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4348 CAH-MUSIC IV 2(1,1) Guitar IV: PR: MVS 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4344 CAH-MUSIC 2(1,1) Violin IV: PR: MVS 3431 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4342 CAH-MUSIC 2(1,1) Viola IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the viola, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4443 CAH-MUSIC 2(1,1) Cello IV: PR: MVS 3433 and competence determined by faculty jury. Intensive advanced performance study of the cello, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4444 CAH-MUSIC 2(1,1) Bass IV: PR: MVS 3434 and competence determined by faculty jury. Intensive advanced performance study of the bass, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVP 4445 CAH-MUSIC 2(1,1) Kettledrum IV: PR: MVS 3435 and competence determined by faculty jury. Intensive advanced performance study of the kettledrum, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 5451 CAH-MUSIC 2(1,0) Violin V: PR: Graduate status or senior standing and C.I. may be repeated for credit. Fall, Spring.

MVS 5452 CAH-MUSIC 2(1,0) Viola V: PR: Graduate status or senior standing and C.I. may be repeated for credit. Fall, Spring.

MVS 5453 CAH-MUSIC 2(1,0) Cello V: PR: Graduate status or senior standing and C.I. may be repeated for credit. Fall, Spring.

MVS 5454 CAH-MUSIC 2(1,0) Bass V: PR: Graduate status or senior standing and C.I. may be repeated for credit. Fall, Spring.

MVS 5455 CAH-MUSIC 2(1,0) Harp V: PR: Graduate status or senior standing and C.I. may be repeated for credit. Fall, Spring.

MVS 5456 CAH-MUSIC 2(1,0) Guitar V: PR: Graduate status or senior standing and C.I. may be used in the degree program a maximum of 4 times. Fall, Spring.
CAH-MUSIC 2(1,1)
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)

CAH-MUSIC 2(1,1)
Voice II: PR: MVW 1411 and competence determined by faculty jury. CR: MUS 1250. Continuation of MVW 1411. Major in music or consent of chair; audition. Private and class lessons. May be repeated for credit 2 times. Fall, Spring.

CAH-MUSIC 2(1,1)
Voice III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work for expected performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 4(1,1)
Voice IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,0)
Voice Pedagogy: PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

CAH-MUSIC 1(0,1)

CAH-MUSIC 1(0,1)

CAH-MUSIC 1(0,1)

CAH-MUSIC 1(0,1)

CAH-MUSIC 1(0,1)

CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(3,1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continual study of performance skills of the flute, with additional intensive work for expected performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(3,1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work for expected performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(3,1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continuation of MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(3,1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(3,0,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continuation of MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Continued study of performance skills of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Continuation of MVW 3433 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(2,1,1)
Saxophone IV: PR: MVW 3432 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

CAH-MUSIC 2(1,1)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

CAH-MUSIC 2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

CON-NURS 3(0,0)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CON-NURS 5141; OR CON-NURS 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice program tracks or C.I. Concepts and skills of advanced health assessment over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring.

CON-NURS 3(1,0)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CON-NURS 5141; OR CON-NURS 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring. M&S fee $45.00
NUR 5690 CON-NURS 3(3,0)
Intercultural Care at End-of-Life: PR: Graduate standing; emphasis on interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. Fall.

NUR 5720 CON-NURS 3(3,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NUR 5800 CON-NURS 3(3,0)
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. May be used in the degree program a maximum of 2 times. Fall/Spring.

NUR 5871 CON-NURS 3(3,0)
Health Care Informatics: PR: Baccalaureate in health related field or C.I. Use of information systems, clinical data management, communication strategies, and decision-making models. May be used in the degree program a maximum of 2 times. Fall.

NUR 5884 CON-NURS 3(3,0)
Legal and Professional Behavior in Advanced Practice: PR: Graduate standing and admission to the M.S. in Nursing or Doctor of Nursing Practice program. Examination of legal, ethical, cultural, and political issues related to professional advanced practice nursing. May be used in the degree program a maximum of 2 times. Fall/Spring.

NUR 5894C CON-NURS 3(2,1)
International Perspectives of Global Health: PR: Graduate standing or C.I. An analysis of global health in comparison with that of USA and other nation’s health care systems. Occasional.

NUR 1800 CON-NURS 3(3,0)
Nursing as a Profession: Professional nursing roles in contemporary society covering a range of topics using discourse methodology that forms a foundation for nursing and health care. Fall/Spring.

NUR 4335 CON-NURS 3(3,0)
Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; successful completion of NUR 3445 & NUR 3445L, or C.I. for RN-BSN students. In depth study of pathophysiology, management and nursing care of high risk newborn, emphasizing care of the neonate and factors contributing to outcomes related to morbidity and mortality. Occasional.

NUR 4425 CON-NURS 3(3,0)
Women’s Health Issues: PR: Junior standing or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Occasional.

NUR 4495 CON-NURS 3(3,0)
Emergency Department Nursing: PR: Completion of both the pharmacology and pathophysiology components of the student’s current nursing program curriculum, and NUR 3225 or RN License/Eligibility or C.I. An overview of Emergency Department Nursing. Topics include scopes of practice, laws, economics, nursing care and management of emergent physiologic conditions in the emergency department setting. Occasional.

NUR 4550 CON-NURS 3(3,0)
Family and Interpersonal Violence: Perspectives for Nurses: PR: Admission to a BSN program or C.I. Family and interpersonal violence education to include effective nursing responses including: history, causes, risk factors, risk factors, strategies and interventions. May be repeated for credit. Occasional.

NUR 4685 CON-NURS 3(3,0)

NUR 4695 CON-NURS 3(3,0)
Forensic Nursing Principles and Practice: PR: Admission to BSN program or C.I. Forensic Nursing principles and practices applied to a variety of settings; an examination of the scope of practice of forensic nursing. Occasional.

NUR 3028 CON-NURS 3(3,0)
Essentials of Nursing Practice: PR: Admission to BSN program, CR: NUR 3025, NUR 3065, and NUR 3065L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L CON-NURS 1(0,2)
Essentials of Nursing Practice Lab: PR: Admission to BSN program. CR: NUR 3025, NUR 3065 and NUR 3065L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall/Spring. M&S fee $30.00

NUR 3065 CON-NURS 2(0,2)

NUR 3065L CON-NURS 1(0,1)
Health Assessment Lab: CR: NUR 3065 and Admission to BSN program, or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall/Spring. M&S fee $16.00

NUR 3125 CON-NURS 3(3,0)
Pathophysiology for Nursing Practice: PR: Admission to BSN program. Concepts and nursing care applications of the pathophysiological basis of illness. Fall/Spring.

NUR 3145 CON-NURS 3(3,0)
Pharmacology for Nursing Practice: PR: Admission to BSN program. CR: NUR 3225 and NUR 3225L. Principles of pharmacology and application to nursing practice. Fall/Spring.

NUR 3165 CON-NURS 3(3,0)
Nursing Research: PR: Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in investigating, analyzing, and interpreting nursing research for nursing practice. Fall/Spring.

NUR 3165H CON-NURS 3(3,0)
Honors Nursing Research: PR: Permission of honors; Admission to BSN program and successful completion of first semester or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS 1(2,0)
Accelerated Nursing Research Seminar: PR: Admission to BSN program, previous undergraduate or graduate research course with approval from the CON, or C.I. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.

NUR 3225 CON-NURS 3(3,0)
Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Integrates clinical experience applying the conceptual models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall/Spring. M&S fee $40.00

NUR 3445 CON-NURS 4(0,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance of health and illness management for childbearing and childbearing families. Fall/Spring.

NUR 3445L CON-NURS 2(0,6)
Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3315; NUR 3445. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall. M&S fee $20.00

NUR 3361N CON-NURS 2(2,0)
Health Promotion Across the Lifespan: PR: Admission to BSN program and C.I. NUR 3616L. The concepts of health promotion and prevention for individuals and families living in the community across the lifespan. Fall/Spring.

NUR 3616L CON-NURS 1(1,0)
Health Promotion Across the Lifespan Clinical: PR: Admission to BSN program and C.I.: NUR 3616L. Clinical concepts of community health nursing practice for community as client and levels of prevention across the lifespan. Fall/Spring.

NUR 3634 CON-NURS 3(3,0)
Community Health Nursing: PR: Admission to BSN program. CR: NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Occasional.

NUR 3634L CON-NURS 2(0,6)

NUR 3755L CON-NURS 2(0,6)

NUR 3795 CON-NURS 3(3,0)
Principles of Oncology Nursing: PR: Admission to BSN program or C.I. Basic principles and concepts of oncology as it affects individuals and families. Emphasis on cancer treatment, symptoms management and psychosocial response. Occasional.

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Admission to BSN program or C.I. Theoretical bases of professional nursing practice for RN to BSN students. Fall/Spring.

NUR 3806 CON-NURS 1(1,0)
Professional Socialization Seminar: PR: Admission to BSN program or C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Fall/Spring.

NUR 3816 CON-NURS 1(1,0)
Professional Nurse Seminar: PR: Admission to the BSN program. CR: NUR 3225. The role and function of the professional nurse, including professional standards, ethics, and legal and practice issues. Fall/Spring.

NUR 3825 CON-NURS 2(0,6)
The Role of the Professional Nurse: PR: Admission to BSN program. Examination of the role and function of the professional nurse, including professional standards, ethics, and legal and practice issues with honors content. Occasional.
NUR 3826 CON-NURS 3(3,0)

NUR 3826H CON-NURS 3(3,0)

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Admission to BSN program. Comparative analysis of professional nursing practice and health care systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0)
Holistic Nursing: PR: Admission to BSN program or C.I. Explore lived experience of health-wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4178 CON-NURS 3(3,0)
Complementary Therapies: Options for Integrative Nursing Practice: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and integrative health. Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3,0)
Genetics and Genomics in Nursing Practice: PR: Admission to BSN program or C.I. The application of genetic and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program, successful completion of the first two semesters in the nursing curriculum. CR: NUR 4227L, or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Fall, Spring.

NUR 4227L CON-NURS 3(0,3)
Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program; successful completion of the first three semesters in the nursing curriculum. CR: NUR 4227, or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Fall, Spring.

NUR 4257 CON-NURS 3(3,0)
Introduction to Critical Care Nursing: PR: Admission to BSN program; successful completion of NUR 4227 and NUR 4227L or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Fall, Spring.

NUR 4286 CON-NURS 3(3,0)
Gerontologic Nursing: PR: Admission to BSN program or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4340 CON-NURS 3(3,0)
Obesity in Children and Adolescents: Nursing Management: PR: Admission to BSN program or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

NUR 4493 CON-NURS 3(3,0)
Perinatal Loss and Grief: Nursing Interventions: PR: Admission to BSN Program or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS 3(3,0)

NUR 4535 CON-NURS 3(3,0)
Psychiatric Mental Health Nursing: PR: Admission to BSN program. CR: NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,6)

NUR 4604L CON-NURS 4(0,12)
Practicum in Community and Public Health Nursing for RNs: PR: Admission to BSN program. Synthesis of theoretical concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 3(3,0)
Public and Community Health Nursing Practice: PR: Admission to the BSN program. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3)

NUR 4675 CON-NURS 3(3,0)
Issues in Rural Health Care: PR: Admission to BSN program or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to BSN program or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: Principles and Practice: PR: Admission to BSN program or C.I. Rehabilitation principles are the practice that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4828 CON-NURS 3(3,0)
Nursing Leadership, Management and Role Transition: PR: Admission to BSN program or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4828L CON-NURS 3(1,0)
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: Admission to BSN program. CR: NUR 4845L, or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0)
Health Care Issues, Policy, and Economics: PR: Admission to BSN program or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community Fall, Spring.

NUR 4837H CON-NURS 3(3,0)
Honors Health Care Issues, Policy, and Economics: PR: Admission to BSN program; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS VAR(VAR,VAR)
Independent Study: Directed Study, Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0)
Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4924L CON-NURS 3(0,3)
Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4)
Nursing Practicum: PR: Admission to the BSN program and successful completion of all previous clinical courses on plan of study; or C.I. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 1-3(1-3,0)
Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIQL 3(3,0)
Oceanography: PR: CHM 2045C and CHM 2046, and a "C" (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.

OSE 3052 OPT-OPT 3(3,1)

OSE 3052L OPT-OPT 1(0,3)

OSE 3053 OPT-OPT 3(3,0)

OSE 3200 OPT-OPT 3(3,0)

OSE 3490 OPT-OPT 3(3,0)
Nanophotonics: PR: PHY 2049C or C.I. Optical photonics processes on nano scale and interactions with elements of physics & engineering. Occasional.

OSE 4240 OPT-OPT 3(3,0)

OSE 4410 OPT-OPT 3(3,0)
Optoelectronics: CR: OSE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

OSE 4410H OPT-OPT 3(3,0)
Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and CCDs. Applications include solar cells, displays, photodetection, and optical communications. Spring. M&S fee $18.00
OSE 4721 OPT-OPT 3(3,0) Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular processes, optical biosensors, and cellular and molecular imaging. Fall.

OSE 4830 OPT-OPT 3(3,0) Imaging and Display: PR: EEL 3123C; OSE 3052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic, and hyperspectral systems. Applications to remote sensing, biology, and medicine. Fall.

OSE 4830L OPT-OPT 3(1,0) Imaging and Display Laboratory: CR: OSE 4830. Laboratory experiments introducing imaging systems, 2D gazing and scanning systems, interferometry metrology, Optical design, gazing, tomography and spectral imaging. Display systems. Fall. M&S fee $14.00

OSE 4951 OPT-OPT 3(3,0) Senior Design I: PR: OSE 3053 and OSE 4520; CR: OSE 4410 and OSE 4470 and C.I. Development of the technical, educational, and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

OSE 4952 OPT-OPT 3(3,0) Senior Design II: PR: OSE 4951. Execution of project developed in OSE 4951, including complete project design review, preparation, construction, testing, cost, functionality, demonstration, presentation, and reporting. Emphasis on team effort. Spring.

OSE 5041 OPT-OPT 3(3,0) Introduction to Wave Optics: PR: EEL 4404 or PHY 4424. C.I. Electronic introduction to the nature of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OSE 5115 OPT-OPT 3(3,0) Interference and Diffraction: PR: Admitted to a graduate program in Optics, Physics or Electrical Engineering. Fundamentals of geometric and wave optics, interference of light, optical interferometry, Fraunhofer and Fresnel scalar diffraction, diffraction gratings, temporal coherence, spatial coherence, and partial coherence. Fall/Spring.

OSE 5203 OPT-OPT 3(3,0) Geometrical Optics: PR: Admitted to a graduate program in Optics, Physics or Electrical Engineering, or C.I. Fundamentals of Geometrical Optics, Geometrical Theory of Image Formation and Aberrations. Fall/Spring.

OSE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and reflection of materials. Analysis of quantum mechanical description of optical properties. Fall/Spring.

OSE 5513 OPT-OPT 3(2,1) Materials for Optical Systems: PR: Graduation standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5514 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications and lines of various optoelectronic devices including quantum well semiconductor devices. Fall.

M&S fee $14.00

M&S fee $16.00

M&S fee $15.00
UCF Courses and Descriptions

PAD 4331 HPA-PUB 3(3,0) Land Use and Planning: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334 HPA-PUB 3(3,0) Urban Design: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351 HPA-PUB 3(3,0) Issues in Environmental Program Management: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 5337 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Introduction to the concepts, design, methods, and management of these services. Fall, Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Knowledge and skills concerning information technologies for students in the Nonprofit Leadership Alliance program. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822 HPA-PUB 3(3,0) Intergovernmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor, or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941 HPA-PUB 3-12(3,0-12) Public Administration Internship: PR: Junior Standing and permission by the internship coordinator in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 4948 HPA-PUB 3(3,0) Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor, and PR or CR: one credit hour of PAD 3930. Supervised internship for students in the Nonprofit Leadership Alliance program. Requires minimum of 300 hours placement in a nonprofit human services organization. May be used in the degree program a maximum of 2 times. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteerism in Nonprofit Management: PR: Either a Public Administration major with a "C" or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or Nonprofit Management minor, or C.I. The history, operating prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 5336 HPA-PUB 3(3,0) Introduction to Urban Planning: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. To provide students with an understanding of urban planning law and related principles. Fall, Spring.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. To provide students with an understanding of urban planning law and related principles. Fall, Spring.

PAD 5565 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Admission to Master of Science in Urban and Regional Planning, or Master of Public Administration, or Master of Nonprofit Management, or Certificate in Emergency Management and Homeland Security, or Certificate in Urban and Regional Planning, or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational functions of local government boards and agencies and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Fundraising or Volunteerism in Nonprofit Management: PR: Either a Public Administration major with a "C" (2.0) or better in both PCB 3044 and PCB 3063, or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 5855 HPA-PUB 3(3,0) Introduction to Public Procurement: PR: Admission to Master of Public Administration, or Master of Nonprofit Management, or C.I. Acquisition of knowledge and skills relating to the public procurement process. Occasional.

PAF 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAF 4754 HPA-PUB 3(3,0) Interdisciplinary Leadership in Public Affairs: PR: Junior standing and Examination of public affairs leadership in social and economic development, social justice, transnational and interdisciplinary partnerships, and social change. Occasional.

PAZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: Either a Public Administration major with a "C" or better in both PAD 3003 and PAD 3007, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
and conservation through field trips, field research and/or

Principles of Field Ecology: PCB 3522H
PCB 3233L
mediated immunity, tumor immunology, and immuno
immune reactions, antigen antibody interactions, cell
PCB 3233
genes.

Honors Molecular Biology I: PCB 3044 with a grade of "C" (2.0) or better, or C.I. Urban ecosystems, urbanizing landscapes, PR: PCB 3044 with a "B" (3.0) or better, or PCB 3023 with a "B" (3.0) or better. Examination of the experimental basis for current knowledge in molecular and cellular biology topics and will link classroom discussions with a required laboratory component. Spring.

PCB 4663 Human Genetics: PCB 3522 or PCB 3023. Topics include the principles of genetics as applied in humans, human hereditary disorders, and the impact of genetics and technology on medicine and medical practices. Spring.

PCB 4678 Evolution and Medicine: PR: A "B" (3.0) or better in PCB 4683, or C.I. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

PCB 4683 Evolutionary Biology I: PCB 3023, or PCB 3044, or C.I. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. Fall Spring.

PCB 4683C Evolutionary Molecular Biology Lab: PR: CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology, Fall, Spring. M&S fee $3.00.

PCB 4708L Laboratory Virtual Simulations in Physiology: PR: PCB 3703C or ZOO 3733C. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. Occasional.

PCB 4722 Comparative Animal Nutrition: PR: BSC 2010C, BSC 2110C, CHM 2210, CHM 2211, PCB 3044. The fundamental topics of animal nutrition, including all known nutrients important for animal life. Spring.

PCB 4723 Animal Physiology: PR: A "C" (2.0) or better in PCB 3023, or C.I. Functions of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4802 Comparative Endocrinology: PR: A "C" (2.0) or better in both PCB 3023 and PCB 3044, or C.I. Hormonal regulation of an animal's physiological responses to environmental changes. Occasional.


PCB 4813 Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4033. Advanced topics of physiological processes at the cellular, molecular and system level. Spring.

PCB 4832 Cellular and Molecular Basis of Brain Functions: PR: PCB 3522, PCB 3703C, ZOO 3733C. Designed to provide advanced undergraduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. Fall.
PCB 4833  COM-BSBS  3(3,0)
Advanced Human Physiology: PR: PCB 3022, PCB 3703C, ZOO 3733C. Advanced topics of physiological processes at the cellular, molecular and system levels. Fall.

PCB 4843  COM-BSBS  3(3,0)
Cellular and Molecular Neuroscience: PR: ZOO 3744. An advanced and thorough course providing understanding of the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 4943  COM-BSBS  3(3,0)
Peer Instruction and Laboratory Occupational Training: PR: BSC 3403C or BSC 3403H. Internship practicum in a molecular biology laboratory where students teach, present, read journal articles, and work on a research project. May be repeated for credit. Occasional.

PCB 5025  COM-BSBS  3(3,0)
Molecular and Cellular Pharmacology: PR: Graduate standing. PCB 3522. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

PCB 5045  COS-BIOL  4(4,0)
Conservation Biology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Scientific basis of conservation; conservation of ecosystems, populations, exploited species, and endangered species. Fall.

PCB 5235  COM-BSBS  3(3,0)
Molecular Immunology: PR: MCB 3020C or equivalent. Fundamental functions of the immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Fall.

PCB 5236  COM-BSBS  3(3,0)

PCB 5238  COM-BSBS  3(3,0)
Immunobiology: PR: PCB 3233C, PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immunity. Spring.

PCB 5265  COM-BSBS  3(3,0)
Stem Cell Biology: PR: Graduate standing. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 5275  COM-BSBS  3(3,0)
Signal Transduction Mechanisms: PR: PCB 3522 and PCB 4524. A course emphasizing various signal transduction cascades used in mammalian cells to control growth and differentiation. Discussion of original research papers will occur. Occasional.

PCB 5326C  COS-BIOL  5(3,2)
Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Ecosystems of Florida will be discussed to include geography, geology, climate, energetics, nutrient cycling, community structure and conservation. Occasional. M&S fee $15.00

PCB 5435C  COS-BIOL  4(2,6)
Marine Ecology of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Survey of experimental methods used in the study of marine communities in central and southern Florida, combining field manipulation and readings from primary literature. Odd Spring.

PCB 5447  COS-BIOL  3(3,0)
Disease Ecology & Ecosystem Ecology: PR: A grade of B (3.0) or better in Genetics (PCB 3063) or equivalent and Ecology (PCB 3044 or equivalent), or C.I., or graduate standing. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 5485  COS-BIOL  3(3,0)
Models in Ecology: PR: PCB 3044, MAC 2311C (or equivalent), and graduate status or senior standing or C.I. A survey of how simulation models are applied to ecological questions of both a theoretical and managerial nature. Occasional.

PCB 5527  COM-BSBS  3(3,0)
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmacals, recombinant proteins will be discussed in depth. Fall.

PCB 5596  COM-BSBS  3(3,0)
Biomedical Informatics: Sequence Analysitcs: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

PCB 5687  COS-BIOL  3(3,0)
Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propagation size/number, age/size at maturity, survivorship and senescence) examined using a quantitative genetic framework. Even Fall.

PCB 5709C  COM-BSBS  3(1,2)
Laboratory Virtual Simulations in Physiology: CR: PCB 5534C Advanced Human Physiology. Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner. Occasional.

PCB 5815  COM-BSBS  3(3,0)
Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4053 or BSC 6432C. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. Odd Spring.

PCB 5834C  COM-BSBS  4(3,2)
Advanced Human Physiology: PR: Graduate standing or C.I. Designed to provide graduate students advanced knowledge of physiological processes at the cellular, molecular and system levels. Fall.

PCB 5837  COM-BSBS  3(3,0)
Cellular and Molecular Neuroscience: PR: Graduate standing or C.I. Examination of the various factors that result in extrasomatic changes over time. Even Fall.

PCB 5855  COS-BIOL  3(3,0)
Population Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Population genetics and the study of the various forces that are examined using a quantitative genetic framework. Spring.

PCO 4203  COS-PSYCH  3(3,0)
Interviewing and Counseling: PR: PSY 2012. A review of various interviewing and counseling theories and techniques used in Mental Health settings as well as practical experience in interviewing and counseling procedures. Fall,Spring.

PEL 2011  ED-E&HS  2(1,1)
Volleyball and Softball: An introduction to defensive and offensive alignment, techniques, and strategies. Occasional.

PEL 2012  ED-E&HS  2(1,1)
Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall,Spring.

PEL 2022  ED-E&HS  2(1,1)
Beginning Tennis: Performance and application of basic skills, rules and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341  ED-E&HS  2(1,1)
Beginning Tennis: Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2342  ED-E&HS  2(1,1)
Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640  ED-E&HS  2(1,1)
Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional.

PEM 2004  ED-E&HS  3(2,1)
Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall,Spring.

PEM 212C  ED-E&HS  3(3,3)
Yoga for Performers: Performance and application of a series of basic movement, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focussed and centered. Fall,Spring.

PEM 2222  CAH-MUSIC  1(0,2)
Yoga for Performers: The practice and study of Yoga, including postures, breathing and meditation, focusing on the needs of performers. Fall,Spring.

PEM 227C  ED-E&HS  2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2311  ED-E&HS  2(1,1)
Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall,Spring.

PEM 234C  ED-E&HS  2(1,1)
Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional.

PEM 2717  ED-E&HS  2(1,1)
Aerobics: The physical conditioning of moves that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heat rate. Fall,Spring.

PEM 2717  ED-E&HS  2(1,1)
Step Aerobics: The physical conditioning of moves that develop aerobic fitness; concepts taught include warm-up, flexibility, stretching, cool down, and heart rate. Fall,Spring.

PEM 2717  ED-E&HS  2(1,1)
Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 276C  ED-E&HS  2(1,1)
Cardio Kickboxing: Basic technique and fundamentals of kickboxing. Occasional.
PEM 2405  ED-E&HS  3(1,2)  
Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2431  ED-E&HS  2(2,0)  
Beginning Judo: Study and application of basic skills, falling, takedowns, techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall, Spring.

PEM 2432  ED-E&HS  2(2,0)  
Intermediate Judo: PR: PEM 2431 or C.I. Study and application of intermediate skills, body and strength conditioning, appropriate protocols and terminology involved in Judo training. Fall, Spring.

PEM 5408C  ED-CFCS  3(2,1)  
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence, as well as how teachers can protect themselves. Occasional.

PEO 2011  ED-E&HS  3(2,1)  
Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring.

PEO 2031  ED-E&HS  3(2,1)  
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

PEO 2623C  ED-E&HS  2(1,1)  
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041  ED-E&HS  3(3,0)  
Games Analysis: PR: Admission to Sport and Exercise Science program or Fitness Training Minor or Coaching Minor. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PEO 3324  ED-E&HS  3(2,1)  
Coaching Volleyball: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Fall, Spring.

PEO 3624  ED-E&HS  3(3,0)  
Coaching Basketball: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor or Coaching Minor. Theory and methods of coaching basketball, including the analysis of offensive and defensive alignment techniques and strategies. Fall, Spring.

PEO 3644  ED-E&HS  3(2,1)  
Coaching Football: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor or Coaching Minor. Theory and methods of coaching football, including the analysis of offensive and defensive alignment techniques and strategies. Occasional.

PEO 5645C  ED-CFCS  3(2,1)  

PET 2081  ED-E&HS  1(1,0)  
Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 3005  ED-E&HS  3(3,0)  
Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending or department consent. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097  ED-E&HS  3(3,0)  
Health and Wellness: PR: Admission to Sport and Exercise Science program or Sport and Exercise Science Pending. Explore wellness through science and the statistics of risk factors for morbidity and mortality. Students will interpret indicators, evaluate choices using assessment-intervention-reinforcement protocols. Fall, Spring.

PET 3125  ED-E&HS  3(3,0)  
Fitness and Weight Management: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Provides current and future students with the requisite knowledge of fitness and weight management research, theories, and practice. Fall, Spring.

PET 3137  ED-E&HS  3(3,0)  
Concepts and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.

PET 3361  ED-E&HS  3(3,0)  
Nutrition and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending Minor or minimum overall 2.5 GPA. Study of dietary intake on focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C  HPA-HP  3(2,1)  
Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Athletic Training B.S. Program. Exercise physiology, drugs and athletics, exercise & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3765  ED-E&HS  3(3,0)  
Coaching Theories: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Theories of coaching team and individual sports. Fall, Spring.

PET 3768  ED-E&HS  3(3,0)  
Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall.

PET 3771  ED-E&HS  3(3,0)  
Strength and Conditioning Concepts: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820  ED-E&HS  3(3,0)  
Teaching Sports Skills I: PR: Admission to the Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Fall, Spring.

PET 4050C  ED-E&HS  3(2,1)  
Motor Development and Learning: PR: Admission to Sport and Exercise Science program or Early Childhood Education and Exercise Education program and minimum overall 2.5 GPA. Analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

PET 4083  ED-E&HS  3(3,0)  
Personal Training Methods: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. An in-depth study into personal training and fitness related concepts. Fall, Spring.

PET 4088  ED-E&HS  3(3,0)  
Physical Activity & Preventive Medicine: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor and minimum overall 2.5 GPA. Focus on the strategies and methods to prevent some diseases and increase quality of life. Fall, Spring.

PET 4143  ED-E&HS  3(3,0)  
Current Issues & Trends in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the current issues and trends encountered by professionals in sport and exercise science. Fall, Spring.

PET 4215  ED-E&HS  3(3,0)  
Motivational Aspects of Athletic Performance: PR: Admission to Sport and Exercise Science program or Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, mental focus, visualization, and an application of techniques to enhance athletic performance. Fall, Spring.

PET 4312C  ED-E&HS  3(2,1)  
Kinesiology/Biomechanics: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall, Spring.

PET 4315C  HPA-HP  3(2,1)  
Biomechanics of Sport: PR: PHY 2053C or PHY 2054C. A study and recognition of physiological and mechanical aspects of sports and injuries. Spring.

PET 4325  ED-E&HS  3(3,0)  
Functional Kinesiology for Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent and minimum overall 2.5 GPA. Study of functional anatomy and biomechanics. Emphasis placed on analysis of skeletal, muscular and nervous systems and biomechanical factors associated with efficient motor development. Fall, Spring.

PET 4401  ED-E&HS  3(3,0)  
Administration and Evaluation in Sport and Exercise Science: PR: Admission to Sport and Exercise Science Program and minimum overall 2.5 GPA. Addressing administrative, measurement and evaluation aspects of Sport and Fitness programs. Fall, Spring.

PET 4550C  ED-E&HS  3(2,1)  
Assessment and Evaluation in Exercise Science: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, APK 4110C and minimum overall 2.5 GPA. A study and acquisition of health related fitness assessments, and related assessment techniques. Fall, Spring.

PET 4552  ED-E&HS  3(3,0)  
Exercise Prescription for Special Populations: PR: Admission to the Sport and Exercise Science Program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C or ZOO 3733C or equivalent, APK 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, physiology, and fitness conditioning to develop exercises for populations dealing with aging, osteoporosis, diabetes, obesity, heart disease, and pregnancy. Fall, Spring.

PET 4606  HPA-HP  3(3,0)  
Applied Fitness in Sport: PR: ZOO 3733C or CPC 3702C or AST 3048C. A study of the coordination of advanced fitness and health majors and Health Sciences minors only. Physiological adaptations to exercise, biomechanics, psychology, performance enhancing substances, nutrition, fitness testing procedures and exercises testing, exercise program design, advanced rehabilitation and administration. Spring.

PET 4710  ED-E&HS  3(3,0)  
Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program or Fitness Training Minor or minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

PET 4763  ED-E&HS  3(3,0)  
Coaching Methods And Principles: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching methods and principles given to conditioning and leadership styles. Fall, Spring.
PGY 3002 Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program, minimum 2.5 GPA. Consent. Emphasizes students' oral and written presentation ability in issues and topics related to sport and exercise science. Fall, Spring.

PGY 4925 Sport and Exercise Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Exercise program requirements. Field experience in a sport and fitness related organization. Graded S/U. Fall, Spring.

PGY 4926 Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program, minimum 2.75 GPA and Advisor Consent. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

PGY 5216 Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, mental rehearsal, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

PGY 5355 Exercise and Health: PR: Admission to master's program. certificate program. Will provide evidence of an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

PGY 5495 Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership in self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.


PGY 2401C Beginning Photography: PR: ART 2201C, ART 2300C or C.I. Introduction to photography with an art emphasis. Fall, Spring. M&S fee $45.00

PGY 3002 Contemporary Photography: PR: PGY 2401C or C.I. An in-depth study of contemporary movements in photography, special emphasis on issues and ideas relevant to contemporary image making. Occasional.

PGY 3205C Photographic Lighting Techniques: PR: PGY 2107 (offered through Daytona State College) or equivalent. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $70.00

PGY 3276 The Professional Environment: PR: PGY 3002 or C.I. Concepts necessary for operation of a photography studio. Includes legal, ethical issues; marketing; self-promotion strategies; funding opportunities; professional development; and professional presentation. Occasional.


PGY 3451C Alternative Processes: PR: PGY 3472C or C.I. 19th century photographic processes as well as related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00

PGY 3472C Photo Visualization: PR: PGY 2000 (offered through Daytona State College) or equivalent. Analysis of visual problems with an emphasis on the improving and applying of a theoretical language to photographic imagery. Occasional. M&S fee $86.00

PGY 3480 Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment with a focus on the organization and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C Photofilmmaking I: PR: Journalism majors only. Digital cinematography, digital video, editing, and film narrative, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimum camera requirements. Occasional.


PGY 3651C Narrative Editorial Photography: PR: PGY 2650 (offered through Daytona State College) or equivalent. Explores photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Occasional. M&S fee $70.00

PGY 3653C Advanced Editorial Photography: PR: PGY 3651C. Exploration of imagery created to illustrate articles, including still-life, portrait, visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimum camera requirements. Occasional.

PGY 3703C Photography & the Web: PR: PGY 3821C or C.I. Advanced issues in digital imaging, emphasis on the digital web. Involves creating work specifically for the web. Fall, Spring. M&S fee $68.00

PGY 3751C Videography: PR: PGY 3821C or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C Advanced Digital Photography: PR: PGY 3821C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee $69.00

PGY 3830C The Photo-book: PR: PGY 2401C. The study and application of the major trends and movements that have shaped the photo-book genre since the birth of photography to the self-publishing boom. Spring.

PGY 4003 Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional. M&S fee $70.00

PGY 4228C Advanced Illustrative Photography: PR: PGY 3205C or C.I. Various avenues of photographic illustration, including lighting, historical and contemporary issues, style, presentation, and social concerns. Occasional. M&S fee $70.00

PGY 4235C Professional Photographic Workshop: PR: PGY 3205C. Creative, technical, and business processes as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $70.00


PGY 4471C Senior Thesis: PR: PGY 3276. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $68.00

PGY 4493C Photography, and Art: PR: PGY 3472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, aesthetic, and theoretical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $68.00

PGY 5108C Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 3800C, or admission to a graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional.

PHI 3041 Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of rationalism, materialism, society, and the environment. Occasional.

PHI 3100 Modern Western Philosophy: PR: PHI 2010 or C.I. Foundations of Western philosophy in ancient Greek thought about human beings and nature, including the pre-Socratics, Socrates, Plato, Aristotle. Occasional.

PHI 3200 Medieval Philosophy: PR: PHI 2010 or C.I. The influence of Greek philosophical thought in medieval Islamic, Jewish and Christian philosophy, as expressed in its main problems and representative thinkers. Occasional.

PHI 3460 Modern Western Philosophy: PR: PHI 2010 or C.I. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

PHI 3510 Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting viewpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance Occasional.

PHI 3600 Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, phenomenology, structuralism, post-structuralism, and liberation philosophies. Occasional.

PHI 3700 American Philosophy: PR: PHI 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHI 3701 Native American Philosophy: PR: PHI 2010 or C.I. Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 3702 Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2010H</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content.</td>
</tr>
<tr>
<td>PHI 2011</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophical Reasoning: A study of reasoning in philosophy: the role of inconsistency, infinite regress arguments, modeling, and system building, discovery procedures, diadization, and contract and paradigm case arguments. Occasional.</td>
</tr>
<tr>
<td>PHI 2101</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminate logics. Occasional.</td>
</tr>
<tr>
<td>PHI 2108</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.</td>
</tr>
<tr>
<td>PHI 2630</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethics: An examination of the nature of moral principles and judgments, with an emphasis on recent formulations in ethical theory. Occasional.</td>
</tr>
<tr>
<td>PHI 2647</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Logic and Ethics: PR: PHI 2101 or COP 3100C or MAD 2104. Research in logic applied to ethics, especially for science, technology, use of simulation and modeling to study philosophical problems in ethics. Occasional.</td>
</tr>
<tr>
<td>PHI 3023</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy, Religion, and the Environment: PR: Junior standing or C.I. Multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.</td>
</tr>
<tr>
<td>PHI 3083</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aims at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.</td>
</tr>
<tr>
<td>PHI 3131</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic: logicist systems and axiomatization methods: problems of metaethics, including consistency, completeness, and decidability. Occasional.</td>
</tr>
<tr>
<td>PHI 3320</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personal identity, and the relation of psychology to neurobiology. Occasional.</td>
</tr>
<tr>
<td>PHI 3451</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Psychology: PR: Junior standing or C.I. Philosophical foundations and formulations of major psychological movements plus other philosophically interesting issues. Occasional.</td>
</tr>
<tr>
<td>PHI 3625</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Virtual Ethics: PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Advanced Ethics in Science and Technology: PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall,Spring.</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Family Values: PR: PHI 2010, PHI 2630, PHI 3670, or WST 315. Applied ethics examining legal, religious, and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.</td>
</tr>
<tr>
<td>PHI 3638</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethical Issues in the 21st Century: PR: PHI 2010 or C.I. Applications of ethical theory and moral problem solving to contemporary issues. Occasional.</td>
</tr>
<tr>
<td>PHI 3640</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecocentrism, and social ecology Occasional.</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.</td>
</tr>
<tr>
<td>PHI 3672</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.</td>
</tr>
<tr>
<td>PHI 3684</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of “the good life.” Occasional.</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.</td>
</tr>
<tr>
<td>PHI 3720</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Faith and Reason: PR: REL 2300 or PHI 2010 or C.I. Emergence of two discrete ways of knowing: Faith and Reason. Occasional.</td>
</tr>
<tr>
<td>PHI 3790</td>
<td>CAH-PHIL 3(3,0)</td>
<td>African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.</td>
</tr>
<tr>
<td>PHI 3803</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800. Aesthetics. Examines the empirical and metaphysical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Even Spring.</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, skepticism, criteria for truth and justification for belief. Occasional.</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophies of Embodiment: Mind/Body/Self: PR: Junior standing and either PHI 2010, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ways of Knowing: PR: PHI 2010 or C.I. Philosophical approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.</td>
</tr>
<tr>
<td>PHI 4420</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.</td>
</tr>
<tr>
<td>PHI 4500</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.</td>
</tr>
<tr>
<td>PHI 4633</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.</td>
</tr>
<tr>
<td>PHI 4633H</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Ethics and Biological Science: PR: Completion of the GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.</td>
</tr>
<tr>
<td>PHI 4895</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.</td>
</tr>
<tr>
<td>PHI 4935</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics: Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>PHI 4938</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Senior Research Seminar: PR: Junior standing and Philosophy major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.</td>
</tr>
<tr>
<td>PHI 5225</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.</td>
</tr>
<tr>
<td>PHI 5325</td>
<td>CAH-PHIL 3(3,0)</td>
<td>Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.</td>
</tr>
</tbody>
</table>
PHI 5328 CAH-PHIL 3(3,0) Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5329 CAH-PHIL 3(3,0) Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0) Research Methods in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Interdisciplinary research methods in the cognitive sciences. Spring.

PHI 5670 CAH-PHIL 3(3,0) Theoretical and Applied Ethics: PR: Senior standing or at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5689 CAH-PHIL 2(0,4) Ethics in Science and Technology: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5684 CAH-PHIL 2(0,4) Ethical Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4330, PHI 4341, PHI 4440, PHI 4663, PHI 4931 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5687 CAH-PHIL 3(3,0) Psychology of Change: PR: Junior standing or PHI 2010 or C.I. Examines the contributions of poststructuralist and neopsychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHI 5702 CAH-PHIL 3(3,0) Philosophy of Language: PR: Junior standing or PHI 2010, or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHI 5703 CAH-PHIL 3(3,0) Feminist Theories: PR: ENC 1102. Contemporary issues and perspectives in feminist theory and their relation to divergent feminist practices. Even Fall.

PHI 5704 CAH-PHIL 3(3,0) Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHI 5705 CAH-PHIL 3(3,0) Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5706 CAH-PHIL 3(3,0) Environmental Philosophy II: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5707 CAH-PHIL 3(3,0) Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHI 5708 CAH-PHIL 3(3,0) Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.

PHI 5715 CAH-PHIL 3(3,0) Phenomenology: PR: Junior standing and three Philosophy courses. The philosophy developed in the 20th century in the writings of Husserl, Heidegger, Sartre, Merleau-Ponty, De Beauvoir and Derrida. Odd Spring.

PHI 5716 CAH-PHIL 3(3,0) Key Figures in Philosophy: PR: PHI 2010 or C.I. Study of a central figure in philosophy's work, influences, reception and effect. May be repeated for credit only when course content is different. Odd Fall.

PHI 5717 CAH-PHIL 3(3,0) Key Concepts in Philosophy: PR: PHI 2010 or C.I. Study of the development, meaning, and implications of a central concept in Philosophy. May be repeated for credit only when course content is different. Fall.


PHI 5719 CAH-PHIL 3(3,0) Physical Assessment Lab: PR: PHI 3609 Lab course emphasizing the examinations required to perform an evaluation of a physical therapy patient. Occasional.

PHI 5720 CAH-PHIL 3(3,0) Gross Anatomy/Neuroscience I Lab: PR: Admission into the Physical Therapy program. CR: PHI 3112L. In-depth study of human morphology emphasizing the back, spinal cord, cranial nerves, and upper and lower extremities. Regional cadaver dissection. Occasional.

PHI 5721 CAH-PHIL 3(3,0) Gross Anatomy/Neuroscience II Lab: CR: PHI 3112L. Directed laboratory experiences with cadaver dissection; use of the skeleton, models, and computer programs to facilitate learning. Occasional.

PHI 5722 CAH-PHIL 3(3,0) Clinical Kinesiology: CR: PHI 3122L. Clinical Kinesiology: CR: PHI 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremities, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection. Occasional.

PHI 5723 CAH-PHIL 3(3,0) Clinical Kinesiology Lab: CR: PHI 3122 Lab course investigating the mechanical aspects of human movement. Occasional.

PHI 5724 CAH-PHIL 3(3,0) Physiology of Therapeutic Exercise: CR: PHI 3295. CR: PHI 3515L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems. Occasional.

PHI 5725 CAH-PHIL 3(3,0) Physiology of Therapeutic Exercise Lab: CR: PHI 3515L. Lab course emphasizing the clinical application of physiology. Occasional.

PHI 5726 CAH-PHIL 2(0,4) Patient Care Skills: CR: PHI 3295. Affective, cognitive, and psychomotor skills applied to patient care. Diversity issues discussed. Basic skills of patient care; transfers, mobility skills, draping, gait training. Occasional.


PHI 5728 CAH-PHIL 1(0,2) Therapeutic Exercise I Lab: CR: PHI 3522L. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Occasional.

PHI 5729 CAH-PHIL 2(0,4) Therapeutic Exercise II: PR: PHI 3222, PHI 4230L. CR: PHI 3522L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course treatment. Occasional.

PHI 5730 CAH-PHIL 2(0,4) Therapeutic Exercise II Lab: CR: PHI 4230L. Lab course emphasizing use of various therapeutic exercise modalities. Occasional.

PHI 5731 CAH-PHIL 2(0,4) Foundations of Physical Therapy: PR: Admission to the physical therapy program. Introduction to the profession of physical therapy. Occasional.

PHI 5732 CAH-PHIL 2(0,4) Clinical Kinesiology: CR: PHI 5125L. Studies the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column and tissue mechanics of relevant human tissues. Occasional.

PHI 5733 CAH-PHIL 2(0,4) Clinical Kinesiology Lab: CR: PHI 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications. Occasional. M&S fee $35.00

PHI 5734 CAH-PHIL 1(0,2) Theories and Procedures I: PR: PHI 5126. CR: PHI 5125L. Lab course on the clinical applications of heat, light, cold, water, sound, and massage: problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring.

PHI 5735 CAH-PHIL 1(0,2) Theories and Procedures I Lab: CR: PHI 5126. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee $30.00

PHI 5736 CAH-PHIL 1(0,2) Physical Assessment: CR: PHI 4230. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee $45.00

PHI 5737 CAH-PHIL 2(0,4) Physical Assessment: CR: PHI 3222. Lab course on the clinical applications of heat, light, cold, water, sound, and massage. Spring. M&S fee $45.00

PHYS 2053C
(3,0)
College Physics I: PR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee $14.00

PHYS 2053C
(3,0)
Honors College Physics I: PR: MAC 1105C and MAC 1114C or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. Fall.

PHYS 2054C
(3,0)

PHYS 2054C
(3,0)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee $15.00

PHYS 3101H
(3,0)
Honors General Physics Using Calculus III: PR: PHY 2049C, MAC 2313, and consent of Honors. Same as PHY 3101 with honors-level content. Fall, Spring.

PHYS 3220
(3,0)

PHYS 3323
(3,0)

PHYS 3513
(3,0)
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHYS 3722C
(3,0)
Physics Laboratory-Electronics: PR: PHY 2048C. State-of-the-art electronics; operation, design and troubleshooting of operational amplifiers, phase sensitive circuits, active filters. Fall, Spring. M&S fee $20.00

PHYS 3752C
(3,0)
Physics of Scientific Instruments: PR: PHY 3101 or C.I. Applications, functions, and operation of scientific instruments. Fall, Spring. M&S fee $25.00

PHY 3920
(1,0)
Teaching Introductory Physics: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 3945
(2,0)
Physics Pedagogy Seminar: PR: PHY 2048C or PHY 2053C. Designed for students serving as Learning Assistants in the physics department and will help LAs to integrate educational theory, pedagogy and practice. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

PHY 4012
(3,0)
Teaching Introductory Physics: PR: PHY 3101 or C.I. Students build specialized model required for teaching introductory physics by reviewing variety of physical concepts integrated with coherent teaching methods. Odd Spring.

PHY 4254
(3,0)
Physics of Fluids and Biofluids: PR: PHY 3313, PHY 3522, and MAP 2302, or C.I. Fluids; basic equation of fluid flow, viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 4424
(3,0)

PHY 4445
(3,0)

PHY 4604
(3,0)
PHZ 3153 COS-PHYS (3,3)
Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

PHY 5933 COS-PHYS (3,0)
Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

PHZ 3113 COS-PHYS (3,0)
Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.

PHZ 3151 COS-PHYS (3,0)

PHZ 3422 COS-PHYS (3,0)
Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano collodis, and nano transport. Occasional.

PHZ 3462 COS-PHYS (3,0)
Nanoscience I: The Science and Societal Impacts: PR: PHY 2040C or PHY 2054C, and CHM 2046C, and COP 3232C. Provides a broad view of nanoscience and the basic theoretical principles behind it, with special focus on fundamental properties and implications to society. Fall.

PHZ 3464 COS-PHYS (3,0)
Nanoscience II: Industrial Applications: PR: PHY 2040C or PHY 2054C, and CHM 2046C, and COP 3232C. Provides a comprehensive summary of the most relevant experimental advances in nanoscience and their applications in current technologies as well as their potential for future emerging technologies. Spring.

PHZ 3466 COS-PHYS (3,0)
Nanoscience III: A Virtual Laboratory: PR: PHY 2040C or PHY 2054C, and CHM 2046C, and COP 3232C. The course will introduce students to the world of nanoscience and will model the nano-world using simulation software. Fall.

PHZ 3601 COS-PHYS (3,0)

PHY 4041 COS-PHYS (3,0)

PHZ 4390 COS-PHYS (3,0)
Nuclear and Particle Physics: PR: PHY 4605 or C.I. The properties of the nuclei and the fundamental particles and how the universe is built from particles. Occasional.

PHZ 4404 COS-PHYS (3,0)

PHZ 4434 COS-PHYS (3,0)
Nanoscale Surface Physics: PR: PHY 3101 or C.I. Physical and chemical properties of nanoscale surfaces. Even Fall.

PHZ 5045 COS-PHYS (3,0)
Attosecond Laser Physics: PR: PHY 5066, PHY 5346 or PHY 4324, or C.I. Technique for generating attosecond optical pulses using both semi-classical models and quantum mechanics theories. Illustrative examples of attosecond applications. Odd Spring.

PHZ 5156 COS-PHYS (3,0)
Computational Physics: PR: PHZ 3511 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHZ 5304 COS-PHYS (3,0)
Nuclear and Particle Physics: PR: PHY 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models, applications. Odd Spring.

PHZ 5405 COS-PHYS (3,0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PHZ 5425C COS-PHYS (3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PHZ 5432 COS-PHYS (3,0)

PHZ 5437 COS-PHYS (3,0)
Nanoscale Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PHZ 5445 COS-PHYS (3,0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS (3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5625 COS-PHYS (3,0)
General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3014 HPA-LS (3,0)
Law and the Legal System: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interface between state and federal law applications. Topics track current social legal issues. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

PLA 3018 HPA-LS (3,0)
Legal Research: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF’s appellate advocacy/moot court tournament. Fall.

PLA 3951H HPA-LS (3,0)
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. Interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF’s appellate advocacy/moot court tournament. Fall.
PLA 4472 HPA-LS 3(3,0) Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0) Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521 HPA-LS 3(3,0) World Hunger Morality & the Law: PR: Junior Standing and C.I. Examine world hunger as a complex issue of sustainable human development, root causes and consequences of domestic and global hunger, and effect on legal systems. Spring.

PLA 4530 HPA-LS 3(3,0) Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0) Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of topics such as pollution, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0) Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.

PLA 4607 HPA-LS 3(3,0) Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0) Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0) Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734 HPA-LS 3(3,0) Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today’s law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0) Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0) Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0) Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS 3(3,0) Sports Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.


PLA 4825 HPA-LS 3(3,0) Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830 HPA-LS 3(3,0) World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.


PLA 4843 HPA-LS 3(3,0) Immigration Law and Policy: PR: PLA 3014, and Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration law and policy. Fall, Spring.

PLA 4861 HPA-LS 3(3,0) Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864 HPA-LS 3(3,0) Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seamen's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS 3(3,0) Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS 3(3,0) Capstone: Legal Issues: PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0) Current Issues in Cyberlaw: PR: Graduating or standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

POR 1120C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization I: Introduces the student to Portuguese culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall.

POR 1121C CAH-LANG 4(3,1) Elementary Portuguese Language and Civilization II: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills: reading, writing, listening, and speaking. Spring.

POR 2200 CAH-LANG 3(3,0) Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Development of Portuguese language skills at the intermediate level. Fall, Spring.

POR 2201 CAH-LANG 3(3,0) Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 23140 CAH-LANG 3(3,0) Accelerated Portuguese for Speakers of Romance Languages: PR: FRF 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POR 3300 CAH-LANG 3(3,0) Portuguese Composition: PR: POR 2201 or C.I. Enhance and develop student's ability to communicate in written Portuguese. Spring.

POR 3301 CAH-LANG 3(3,0) Advanced Portuguese Grammar and Composition: PR: POR 2201 or C.I. Develop student's ability to communicate in written Portuguese. Language. Fall.

POR 3413 CAH-LANG 3(3,0) Advanced Portuguese Oral Communication: PR: POR 2201 or C.I. Develop student's skills in oral communication, especially in speaking and listening activities. Spring.

POS 2041 COS-POLS 3(3,0) American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0) Honors American National Government: PR: POR 2041H or C.I. Same as POS 2041 with honors-level content. Occasional.

POS 3976 COS-POLS 3(3,0) American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0) State Government and Public Policy: PR: POS 2041 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0) Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.

POS 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of southern politics past and present. Emphasis on factors affecting changes in the region and the states. Southern and national relationship examined. Occasional.

POS 3182 COS-POLS 3(3,0) Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0) Honors Florida Politics: PR: POS 2041 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3233 COS-POLS 3(3,0) Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0) Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0) Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.
### UCFS Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>PR</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 4030</td>
<td>The Politics of Sports</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4074</td>
<td>Latino Politics</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4142</td>
<td>Metropolitan Politics</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4204</td>
<td>Political Behavior</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4206</td>
<td>Political Psychology</td>
<td>PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4244</td>
<td>Political Socialization</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics</td>
<td>PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4412</td>
<td>Presidential Campaigning</td>
<td>PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4603</td>
<td>American Constitutional Law I</td>
<td>PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4604</td>
<td>American Constitutional Law II</td>
<td>PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4622</td>
<td>Politics and Civil Rights</td>
<td>PR: ENC 1102 or POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4700</td>
<td>Teaching American Politics and Government</td>
<td>PR: POS 2041 or C.I.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4764</td>
<td>GIS for Political Analysis</td>
<td>PR: POS 2041 and ENC 1102. Use of mapping and other spatial methods in political science research.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POS 4941</td>
<td>Political Science Internship</td>
<td>PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit.</td>
<td>3-9(0,3-9)</td>
</tr>
<tr>
<td>POS 4961</td>
<td>Exit Exam</td>
<td>PR: POS 2041 and Senior Standing. Complete the departmental exit exam during the semester of graduation.</td>
<td>0(0.0)</td>
</tr>
<tr>
<td>POT 3024</td>
<td>African-American Political Thought</td>
<td>PR: ENC 1102 or POS 2041 or C.I. From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern and postmodern.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 3302</td>
<td>Modern Political Ideologies</td>
<td>PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, capitalism, nationalism, fascism and anarchism.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4003</td>
<td>Political Theory</td>
<td>PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern Political Philosophy</td>
<td>PR: ENC 1102. Study of the development of political and social ideas from the 16th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy).</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4054</td>
<td>Modern Political Philosophy</td>
<td>PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4066</td>
<td>Contemporary Political Theory</td>
<td>PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxist, libertarian, and feminist critiques of liberalism.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4109</td>
<td>Politics and Literature</td>
<td>PR: Junior standing.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4109H</td>
<td>Honors Politics and Literature</td>
<td>PR: Junior Standing.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4305</td>
<td>Democracy, Capitalism, and the Individual</td>
<td>PR: POS 2041 or C.I. An examination of the institutions of capitalism and democracy as the means of organizing, respectively, an economy and a polity.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4314</td>
<td>Contemporary Democratic Theory</td>
<td>PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4331</td>
<td>Utopia/Dystopia</td>
<td>PR: ENC 1102. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4345</td>
<td>Pan-Africanist Thought</td>
<td>PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and socialist/philosopher thinkers that have contributed to the tradition of Pan-Africanist thought.</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>POT 4414</td>
<td>Marxist Political Theory</td>
<td>PR: ENC 1102. Survey of Marx &amp; Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted manist principles for governance.</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

**PSY 4025**  
**COS-PSYCH**  
3(3,0)  
_The Psychology of Art:_ PR: or CR: ARH 2051 or ARH 2050 or ARH 2051, or any ART prefix course. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

**PSY 4049**  
**COS-PSYCH**  
1(1,0)  
_Psychology Capstone:_ PR: PR or CR: PSB 3002 and PSY 3951 and PSY 4942. Advanced think tank in psychology. Prerequisite: Review and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. Occasional.

**PSY 4215C**  
**COS-PSYCH**  
3(3,2)  
_Advanced Research Methods in Psychology:_ PR: PSY 3213. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring.

**PSY 4215C**  
**COS-PSYCH**  
3(3,2)  
_Honors Advanced Research Methods in Psychology:_ PR: PSY 3213C and consent of Honors. Discussion and interpretation of complex research projects in psychology with honors level content. Occasional.

**PSY 4604**  
**COS-PSYCH**  
3(3,0)  
_History and Systems of Psychology:_ PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

**PSY 4604H**  
**COS-PSYCH**  
3(3,0)  
_History and Systems of Psychology with Honors:_ PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

**PSY 4942**  
**COS-PSYCH**  
3(3,0)  
_Instructional Experiences in Undergraduate Psychology:_ PR: PSY 2012 and CI. Prepares undergraduate students to more effectively learn psychology concepts by facilitating learning in variety of university psychology classrooms and labs. Graded S/U. Occasional.

**PSY 5005**  
**COS-PSYCH**  
3(3,0)  
_History and Systems of Psychology:_ PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology; in certain instances graduate students in other programs may enroll. Odd Fall.

**PUP 3014**  
**COS-POLS**  
3(3,0)  
_Comparative Public Policy:_ PR: POS 2041 or CPO 1105 or C.I. Areas of public policy such as immigration, education, trade, taxation, and fiscal policy in selected countries. Occasional.

**PUP 3203**  
**COS-POLS**  
3(3,0)  
_Environmental Politics:_ PR: ENC 1102 or POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

**PUP 3204**  
**COS-POLS**  
3(3,0)  
_Sustainability:_ PR: ENC 1102 or Junior standing. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

**PUP 3314**  
**COS-POLS**  
3(3,0)  
_Minorities in American Politics:_ PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

**PUP 3325**  
**COS-POLS**  
3(3,0)  
_Women and Political Behavior:_ PR: POS 2041 or ENC 1102, or C.I. Women's role in the political process, emphasizing women in the governmental and policy-making processes. Occasional.

**PUP 4003**  
**COS-POLS**  
3(3,0)  
_American Public Policy:_ PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.
UCF Courses and Descriptions

PUP 4209 COURS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or
PGS 2041 or C.I. Public policy, ecology, and the urban
political landscape explored by tracing their development
and prospects for sustainable cities. Occasional.

PUP 4323 COURS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or ENC
1102, or C.I. Public policies and processes that achieve a
disparate impact on women and women's lives in the United
States. Occasional.

PUP 4404 COURS-POLS 3(3,0)
Education and Politics: PR: Junior standing or C.I.
Western education and the connection between citizenship
and education, education funding, and the politics of
education reform. Occasional.

PUP 4503 COURS-POLS 3(3,0)
Government and Science: PR: ENC 1102 or
POS 2041 or C.I. Examination of interface between science
and government. Focus is upon governmental support for
science, social accountability, and the role of the scientist-
policy maker in comparative context. Occasional.

PUP 4510 COURS-POLS 3(3,0)
Space Policy: PR: ENC 1102. An examination of the
politics and policy-making involved with the US space
program in the context of domestic demands and other
international space programs. Even Fall.

PUP 4602 COURS-POLS 3(3,0)
Politics of Health: PR: ENC 1102. Analysis of public
health policies. Primarily focuses upon political processes,
policy makers, and interest group interventions, including
consumers and policy outcomes. Comparative health
policies. Occasional.

PUP 4744 COURS-POLS 3(3,0)
Government and Business: PR: ENC 1102.
Analysis of public policies regarding business. Study
includes various levels of government including international
organizations. Occasional.

PUP 4931 COURS-POLS 3(3,0)
Topics in Public Policy: PR: ENC 1102 or POS
2041, or C.I. Intensive analysis of a current policy problem.
Sample topics include education, growth management,
housing, affirmative action, welfare, and transportation.
May be used in the degree program a maximum of 2 times.
Occasional.

PUP 4947 COURS-POLS 3(3,0)
Public Relations Society: PR: One of the
following: SPC 1608, SPC 1603C, COM 1000, or C.I.
The important role public relations has played in the
development of contemporary society. Occasional.

PUP 5100 COURS-POLS 3(3,0)
Writing for Public Relations: PR: Ad-PR Majors
only. Development of skills in writing for public relations.
Fall, Spring.

PUP 3210 COURS-POLS 3(3,0)
Communication Approach to Corporate
Social Responsibility: PR: Either SPC 1608,
SPC 1603C, COM 1000, or C.I. A communication-based
approach to corporate social responsibility. Occasional.

PUP 3210H COURS-POLS 3(3,0)
Honors Communication Approach to
Corporate Social Responsibility: PR: Consent of
Hons and either SPC 1608, SPC 1603, COM 1000, or C.I.
Advanced review of principles and practice of public relations
including techniques, research tools, publicity, and
management. Fall, Spring.

PUR 4000 COURS-COMM 3(3,0)
Publications: PR: Either SPC 1608, or SPC 1603C,
or COM 1000. Principles and practice of Public Relations
including techniques, research tools publicity, and
management. Fall, Spring.

PUR 4000H COURS-COMM 3(3,0)
Honors Public Relations: PR: Consent of Honors,
and one of the following: SPC 1608, SPC 1603C, COM
1000, or C.I. Advanced review of principles and practice of
public relations including techniques, research tools,
publicity and management. Occasional.

PUR 4014 COURS-COMM 3(3,0)
Preparing for Public Relations Certification:
PR: PUR 4000 and ADV 4041 or PUR 4041, and senior
standing or C.I. Advanced study in the history, principles,
ethics of PR and preparation for the Certification in
Principles of Public Relations exam administered by the
UAB. Fall, Spring.

PUR 4110 COURS-COMM 3(1,3)
Policing Announcements and PR: Ad-PR
majors and PUR 3100. Basic principles and techniques of
department publication of public relations publications. Fall, Spring.

PUR 4203 COURS-COMM 3(3,0)
PR/Advertising Ethics and Law: PR: Ad-PR
majors only and ADV 3008. Legal precedents applicable to
advertising and public relations as well as ethical
considerations for both. Occasional.

PUR 4400 COURS-COMM 3(3,0)
Crisis Communication: PR: SPC 1603 or SPC
1608 or COM 1000, and Ad-PR major, or Communication
and Conflict major or Mass Communication minor, or C.I.
The theory, process, and best practices of crisis communication.
Occasional.

PUR 4801 COURS-COMM 3(3,0)
Public Relations Case Studies: PR: Ad-PR majors
only and PUR 4400 or C.I. Discussion and analysis of public
relations cases held pursuant to PR theory to advance
organizational goals. Fall, Spring.

QMB 4700 COURS-BUS 3(3,0)
Managerial Decision Making: PR: GEB 3031 and
MAN 3025. Computer-based quantitative decision models
(including linear programming and extensions, queuing,
network models, simulation) and decision support systems
for business organizations. Occasional.

REAS 1105 ED-TL&L 3(3,0)
College Reading I: College reading improvement
focusing on content areas and advanced study skills,
comprehension, vocabulary growth, reading rate, note
taking, and test preparation. Fall, Spring.

RED 3012 ED-TL&L 3(3,0)
Basic Foundations of Reading: PR: Junior
standing or C.I. Principles, procedures, and current practices
for teaching reading. Specific techniques and materials
for word identification, content reading and comprehension.
Fall, Spring.

RED 3310 ED-TL&L 3(3,0)
Early Reading, Writing and Language Arts:
PR: Admission to the Early Childhood Education Program.
Emergent reading/writing processes during preschool,
kindergarten and first grade; methods for implementing
integrated language arts curriculum; guiding developmental

RED 4043 ED-TL&L 3(3,0)
Content Reading in Kindergarten through
Grade 12: PR: Junior or senior standing. Admission to the
teacher education program. Content literacy in the K-12
school curriculum; Principles, strategies, assessment, and
promising practices. Fall, Spring.

RED 4311 ED-TL&L 3(3,0)
Primary Reading, Writing, and Language Arts
Curriculum and Assessment: PR: RED 3102 and
RED 3310; CR: EEC 3400. Methodologies for teaching and
assessing young children in reading, writing, and language
arts in the elementary grades. Fall.

RED 4519 ED-TL&L 3(3,1)
Diagnostic and Corrective Reading Strategies:
PR: RED 3310. An investigation of the needs of
individual learners in reading instruction. Organization
and techniques for promoting optimum reading growth.
Concurrent school experiences required. Fall, Spring.

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of
Reading: PR: RED 4519. Corequisite. Internship I.
Practicum that provides opportunity to apply knowledge
of reading assessment and instruction in order to increase
reading proficiency of struggling readers. Concurrent school
experience required. Fall, Spring.

RED 5147 ED-TL&L 3(3,0)
Reading Proficiencies: PR: Graduate standing or
C.I. Principles, procedures, organization, and current
practices in the elementary reading program. Materials and
methods of instruction. Occasional.

RED 5517 ED-TL&L 3(3,1)
Classroom Diagnosis and Development of
Reading Proficiencies: PR: RED 5147 or equivalent.
Classroom diagnosis and corrective teaching in reading;
instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TL&L 3(3,0)
Practicum in Reading Assessment and
Instruction: PR: RED 5517. Practicum that requires
application of reading assessment and instruction in order
to increase reading proficiency of struggling readers.
Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing.
Application of basic tools of economics, finance, and
marketing to solve private and public sector real estate
problems. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. Analysis of
female real estate law with emphasis on Florida statutes and
case law. Fall, Spring.

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate: PR: RED
3043, RED 3433; open to majors or minors which require
this course. Political, cultural, institutional and scientific
mechanisms which shape environmental policy. The effects
of hazard, risk and uncertainty in policy development.
Occasional.

REE 4103 BA-FIN 3(3,0)
Real Estate Appraisal and Valuation: PR: FIN
3403. Focus on fundamentals of real estate appraisal and
valuation using tools of financial and economic analysis.
Occasional.

REE 4203 BA-FIN 3(3,0)
Commercial Real Estate Finance: PR: FIN
3403; open to majors or minors which require this course.
The practice of commercial real estate finance; emphasis
on lender and borrower decision making and secondary
markets. Occasional.

REE 4204 BA-FIN 3(3,0)
Residential Real Estate Finance: PR: FIN
3403; open to majors or minors which require this course.
Study of the practice of residential real estate finance; emphasis
on lender and borrower decision making and secondary
markets. Fall, Spring.

REE 4303 BA-FIN 3(3,0)
Real Estate Investment Analysis: PR: FIN
3403. Focus on real estate decision-making in the private sector
using tools of financial and economic analysis. Fall, Spring.

REE 4312 BA-FIN 3(3,0)
Real Estate Market Analysis: PR: RED 3043.
Course applies finance and economic tools to housing
and commercial markets, emphasis on urban housing,
real estate brokerage, effects on market performance and
development. Fall

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: FIN 3403. The
development process, from the inception of a project
through to lease-up, long-term financing, and final sale to
the investment community. Fall.

REE 4933 BA-FIN 3(3,0)
Advanced Topics in Real Estate: PR: RED
3204 and RED 3433, or department approval. Advanced topics
in real estate development, investment analysis, and market
analysis. Cases cover the entire planning process for a
real estate development or redevelopment project. Occasional.
REL 2300 CAH-PHIL 3(3,0) World Religions: Basic features and historical background of the major religions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.


REL 3101 CAH-PHIL 3(3,0) Religion in Popular Culture: PR: REL 2300, REL 2300 or C.I. Exploration of traditional religion in popular culture and popular culture as non-traditional religion by means of various perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.

REL 3111 CAH-PHIL 3(3,0) Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FL 1000. Critical thematic elements explored in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.


REL 3115 CAH-PHIL 3(3,0) Religion, Spirituality, and Popular Music: PR: HUM 2230 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


REL 3320 CAH-PHIL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Major themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3333 CAH-PHIL 3(3,0) Hinduism: PR: HUM 2230, REL 2300, or C.I. A survey of development of Hindu thought and culture from Vedic times to the Upanishads, Epic Literature to the modern age. Even Spring.

REL 3340 CAH-PHIL 3(3,0) Buddhism: PR: HUM 2230 or REL 2300 or C.I. An introduction to Buddhist thought, practices, culture and history. It explores the development of Buddhism through South-East Asia, East Asia, Tibet and the West. Odd Fall, Spring.

REL 3363 CAH-PHIL 3(3,0) Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur’an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHIL 3(3,0) Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.
RTV 3601C COS-COMM 3(2,1)
Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditioning, and performance in scenes and commercials. Expect extensive studio work in the RTV lab facility outside of class. Fall. M&S fee $10.00

RTV 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

RTV 3942L COS-COMM 1-3(0-3-9)
Practicum: PR: C.I. RTV Major, and either RTV 3565C, RTV 3543C, or RTV 3531C. Student will serve in some position of responsibility for UCF Weekly News or other RTV activity. Graded SU. May be repeated for credit. Occasional.

RTV 4403 COS-COMM 3(3,0)
Electronic Media, Technology, and Society: PR: MMC 2004 and Journalism major, or PR or CR: RTV 3007; or C.I. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall Spring.

RTV 4503 COS-COMM 3(3,0)
Sports Programming in Electronic Media: PR: Either SPC 1608, COM 1000, RTV 3007, or C.I. Factors that determine how sporting events are constructed for broadcast. RTV, film, and emerging media. Fall Spring.

RTV 4505 COS-COMM 3(2,1)
Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4544 COS-COMM 4(4,0)
Advanced Studio Production: PR: RTV 3531 and RTV 3535C and PR or CR: RTV 3571; or C.I. Advanced techniques in production and directing television programs and video projects both in-studio and on-location. Fall Spring.

RTV 4567C COS-COMM 3(2,1)
Television Directing: PR: RTV 3535C, RTV 3531C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $20.00

RTV 4668C COS-COMM 4(1,3)

RTV 4700 COS-COMM 3(3,0)
Elementary Russian Language and Civilization I: PR: RUS 1120 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RTV 4800 COS-COMM 3(3,0)
Broadcast Management: PR: RTV Majors only. Examination of broadcast management problems in station operations at local, regional, and national levels. Spring.

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: Introduces the student to Russian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Occasional.

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,0)

RUS 2201 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0)
Advanced Russian Oral Communication: PR: One year of Russian or equivalent. Practical use of the language, leading to fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0)

RUS 3765 CAH-LANG 3(3,0)
Russian Culture and Civilization: PR: ENC 1102 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.

SCC 3003 HPA-CJ 3(3,0)

SCC 3311 HPA-CJ 3(3,0)
Security Administration: Discussion of modern security administration and the security-law enforcement interplay, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.

SCC 3316 HPA-CJ 3(3,0)

SCE 3310 ED-TL&L 4(4,0)
Teaching Science in Elementary School: PR: EDG 4410 or C.I. CR: SCE 3942. Selected concepts; organizing for instruction; techniques, evaluation procedures. Fall Spring. M&S fee $10.00

SCE 4304 ED-TL&L 4(4,0)
Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(4,0)
Science Instructional Analysis: PR: EDG 4410 or C.I.; CR: SCE 3940. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall. M&S fee $10.00

SCE 4361 ED-TL&L 3(3,0)
Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0)
Teaching Middle School Science: PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. This course will provide experiences that promote effective science teaching in grades 6-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0)
Issues and Methods in Secondary School Science: PR: EDG 6415, TSL 5085, or admission to MED program or Initial Teacher Professional Preparation certificate. This course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall Spring.

SCE 5836 ED-TL&L 3(3,0)
Integrating Science and Physical Science for Educators: PR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

SLS 1282 ED-CFCFS 1(1,0)
Foundations of American University Life: PR: C.I. Orientation of international students to American cultural contexts. Success through active, learner-centered dynamics. Methods to sustain student success beyond the first year and the university. Fall Spring.

SLS 1501 ED-CFCFS 1-3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall Spring.

SLS 23111 COM-BBSS 2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SOP 2772 COS-PSYCH 3(3,0)
UCF Courses and Descriptions

SOW 5404  HPA-SOWK  3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5538  HPA-SOWK  3(3,0)
Full-Time MSW Generalist Field Education and Seminar II: PR: Admission to Master of Social Work program or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Fall.

SOW 5539  HPA-SOWK  3(3,0)

SOW 5565  HPA-SOWK  2(2,0)

SOW 5566  HPA-SOWK  2(2,0)

SOW 5567  HPA-SOWK  2(2,0)

SPA 3011  HPA-COM SC&DIS  3(3,0)
Speech Science I: Production: PR: SPA 3112, CR: SPA 3471. Study of speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L  HPA-COM SC&DIS  1(0,1)

SPA 3101  HPA-COM SC&DIS  3(3,0)
Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.

SPA 3104  HPA-COM SC&DIS  3(3,0)

SPA 3112  HPA-COM SC&DIS  3(3,0)
Basic Phonetics: CR: SPA 3112L. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3112L  HPA-COM SC&DIS  1(0,1)

SPA 3123  HPA-COM SC&DIS  3(3,0)

SPA 3123L  HPA-COM SC&DIS  1(0,1)

SPA 3412  HPA-COM SC&DIS  3(3,0)
Brain Sciences: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite) or PSY 3012 or C.I. A case study approach to communication disorders due to brain injury. Fall, Spring.

SPA 3471  HPA-COM SC&DIS  3(3,0)
Communication Disorders in Literature and Media: PR: PSY 3012 or SYG 3000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472  HPA-COM SC&DIS  3(3,0)
Guidance of the Young Child with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 4032  HPA-COM SC&DIS  3(3,0)

SPA 4241  HPA-COM SC&DIS  3(3,0)
Genetic Aspects of Communication Disorders: PR: HPA-COM SC&DIS 3101, Junior or senior standing. Theoretical framework for understanding human genetics, the genetics aspects of communication and feeding disorders. Spring.

SPA 4321  HPA-COM SC&DIS  3(3,0)

SPA 4326  HPA-COM SC&DIS  3(3,0)
Hearing Disorders Across the Lifespan: PR: SPA 3123, SPA 4032 and Senior Standing, or C.I. Primary and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. Fall, Spring.

SPA 4400  HPA-COM SC&DIS  3(3,0)
Language Disorders Across the Life Span: PR: LIN 3716 and Junior Standing, or C.I. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476  HPA-COM SC&DIS  3(3,0)
Speech Disorders Across the Lifespan: PR: LIN 3716 and Junior Standing, or C.I. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478  HPA-COM SC&DIS  3(3,0)
Multicultural Aspects of Communication Disorders & Differences: PR: LIN 3716, Senior Standing, or C.I. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4555  HPA-COM SC&DIS  3(3,0)
Counseling in Communication Disorders: PR: SPA 3471 or C.I. Practical interviewing and counseling in the area of communication disorders. Fall, Spring.

SPA 4634  HPA-COM SC&DIS  3(3,0)
Educational Implications of Deafness: PR: C.I. 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803  HPA-COM SC&DIS  3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2146 or STA 3023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.

SPA 4870C  HPA-COM SC&DIS  3(2,1)
Capstone Course: PR: or CR: All required CSSD courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948  HPA-COM SC&DIS  3(3,0)
Community Internship: CR: SPA 4326 and Senior standing. Supervised interaction and planned activities with individuals experiencing problems in hearing, balance, or the disorders of hearing in community settings including clinics, hospitals, etc. Course may be repeated for credit up to two times. Fall, Spring.

SPA 5554  HPA-COM SC&DIS  3(3,0)
Counseling in Communicative Disorders: PR: C.I. Internals or C.I. Counseling and counseling for individuals with communication disorders and their families. Spring.

SPB 3003  BA-BA  3(3,0)
Introduction to Sport Business Management: PR: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Fall, Spring.

SPB 3603  BA-BA  3(3,0)
Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a “C” (2.0) or better. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823  BA-BA  3(3,0)
The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPB 3003 with a “C” (2.0) or better. Analyzes business entrepreneurship in sports/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories/ concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4304  BA-BA  3(3,0)
Sports Event and Facility Management: PR: SPB 3003 with a “C” (2.0) or better. The structure and evolution of the interrelationship between sport and media and their business implications. Occasional.

SPC 1603C  COS-COMM  3(1.5,1.5)
Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H  COS-COMM  3(1.5,1.5)

SPC 1608  COS-COMM  3(3,0)
Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.

SPC 1608H  COS-COMM  3(3,0)

SPC 2942  COS-COMM  1-2(3-0)
Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3301  COS-COMM  3(3,0)
Interpersonal Communication: PR: or CR: COM 3111. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, intercultural behavior, situational cues, verbal and non-verbal messages. Fall, Spring.
SPM 3130 Leadership Through Oral Communication: PR: or CR: COM 3311. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall,Spring.

SPC 3513C COS-COMM 3(1,2) Argumentation and Debate: PR: One of the following; SPC 1008, SPC 1030C, COM 1000, or C.I. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 3513H COS-COMM 3(3,0) Honors Argumentation and Debate: PR: Consent of Honors and one of the following, SPC 1008, SPC 1030C, or C.I. Advanced study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SPC 4331 COS-COMM 3(3,0) Nonverbal Communication: PR: or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall,Spring.

SPC 4426 COS-COMM 3(3,0) Group Dynamics: PR: or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Spring.

SPC 4540 COS-COMM 3(3,0) Persuasion and Communication: PR: or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communication and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-E&HS 3(3,0) Aquatic Management: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-E&HS 3(3,0) Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415 ED-E&HS 3(3,0) Public Relations in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-E&HS 3(3,0) Fiscal and Facilities: Issues in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science Program or Community Sport and Fitness Minor, and minimum overall 2.5 GPA. Design, maintenance, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 4723 ED-E&HS 3(3,0) Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-E&HS 3(3,0) Introduction to Sports Administration: PR: C.I. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-E&HS 3(3,0) Marketing and Promoting Sports and Fitness Programs: PR: C.I. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0) Financial Issues in Sports and Fitness: PR: C.I. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPM 1120C CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPM 1120C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization I: Introduces the student to Spanish culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

SPM 1121C CAH-LANG 4(3,1) Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPM 1120C. Fall, Spring.

SPM 1121C CAH-LANG 4(4,1) Honors Elementary Spanish Language and Civilization II: PR: Admission to Honors. Continuation of SPM 1120C. Fall, Spring.

SPM 1150C CAH-LANG 8(4,4) Intensive Beginning Spanish: Combines SPM 1120C and SPM 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPM 2200 CAH-LANG 3(3,1) Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPM 2200H CAH-LANG 3(3,1) Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPM 2201 CAH-LANG 3(3,1) Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPM 2200, with emphasis on Spanish civilization. Occasional.

SPM 2241 CAH-LANG 3(3,0) Spanish Conversation: PR: SPN 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

SPM 2340 CAH-LANG 3(3,0) Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPM 2341 CAH-LANG 3(3,0) Advanced Spanish for Native Speakers: PR: SPM 2340 or C.I. This course is the continuation of SPM 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPM 2513 CAH-LANG 3(3,0) Modern Spanish Civilization Study Abroad: PR: SPN 1120C or equivalent. This intensive course will focus on modern Spanish culture using examples from present day society. Cultural views and realia are essential components of this course. Occasional.

SPM 3140 CAH-LANG 3(3,0) Business Spanish I: PR: SPM 2200 and SPN 2201 or equivalent. Basic business terminology, business culture, and business topics related to the Hispanic World. Odd Fall.

SPM 3141 CAH-LANG 3(3,0) Business Spanish II: PR: C.I. Continuation of Business Spanish I. Even Fall.

SPM 3142 CAH-LANG 3(3,0) Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPM 3234 CAH-LANG 3(3,0) Advanced Directed Readings: PR: SPN 2240 or equivalent. Use literary and general Spanish texts to develop reading comprehension and analysis skills. Course intended for non-natives and heritage speakers of Spanish. Fall, Spring.

SPM 3300 CAH-LANG 3(3,0) Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPM 3343 CAH-LANG 3(3,0) Advanced Rhetoric for Spanish Communication: PR: SPN 2201, or C.I. Designed for Spanish native speakers and advanced non-native speakers to improve their language skills. Students work on projects individually or in groups according to their own interests. Occasional.

SPM 3344 CAH-LANG 3(3,0) Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPM 3345 CAH-LANG 3(3,0) Advanced Spanish Native Fluency II: PR: SPM 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

SPM 3402 CAH-LANG 3(3,0) Practice in Modern Spanish Grammar: PR: SPM 2201 or SPN 2240. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPM 3420 CAH-LANG 3(3,0) Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPM 3512 CAH-LANG 3(3,0) Contemporary Spanish Culture Abroad: PR: SPM 2241 or SPN 2340. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPM 3760 CAH-LANG 3(3,0) Advanced Spanish Oral Communication: PR: SPN 2240 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPM 3850 CAH-LANG 3(3,0) Structure of the Spanish Language: PR: SPN 3760. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formations, and socializations. Occasional.

SPM 3852 CAH-LANG 3(3,0) Bilingualismo: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Spanish-English bilingualism in the United States. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. Occasional.

SPM 4143 CAH-LANG 3(3,0) Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Fall.

SPM 4410 CAH-LANG 3(3,0) Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300. Models of language acquisition in bilinguals, domains of language use, maintenance, shift, transfer, diversity, attitudes, code-switching, attrition and contact. Odd Fall.

SPM 4421 CAH-LANG 3(3,0) Advanced Spanish Conversation: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.
CAH-LANG 4510 3(3,0) Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from Pre-Columbian times to the present. Conducted in Spanish. Occasional.

CAH-LANG 4520 3(3,0) Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

CAH-LANG 4780 3(3,0) Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.


CAH-LANG 4801 3(3,0) Spanish Morphology: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Types of roots, affixes and words resulting from them. Morphological rules in Spanish, covering the nominal, adjectival, verbal, pronominal and adverbial domains, and archaism. Occasional.

CAH-LANG 5502 3(3,0) Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

CAH-LANG 5505 3(3,0) Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

CAH-LANG 5506 3(3,0) Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

CAH-LANG 5705 3(3,0) Introduction to Spanish Linguistics: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish phonology, morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Occasional.

CAH-LANG 5825 3(3,0) Spanish Dialectology: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

CAH-LANG 5845 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of the developments of the Spanish language from its pre-Roman times to the present. Occasional.

CAH-LANG 5920 3(3,0) AP Spanish Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

ED-CFCS 5177 3(3,0) Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ and related factors and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

ED-CFCS 5605 3(3,0) Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve emotional and emotional intelligence and demonstrate an understanding of emotional learning and how it enhances psychosocial wellbeing. Odd Spring.

CAH-LANG 3414 3(3,0) Spanish for Tourists: PR: SPN 3420. Students will learn to speak and understand Spanish specific for the tourism industry including field-specific techniques of communication, multicultural environments, an understanding of the Spanish culture, and the needs of bilingual tourists. Occasional.

CAH-LANG 3800 3(3,0) Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

CAH-LANG 3805 3(3,0) Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

CAH-LANG 3809 3(3,0) Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

CAH-LANG 3820 3(3,0) Computer Assisted Translation Tools: PR: SPN 3420 or C.I. Provides hands on experience with CAT (Computer Assisted Translation) tools that external translation and interpretation agencies require in their hiring profiles Occasional.

CAH-LANG 3831 3(3,0) Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 2241. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.


SPW 3000H CAH-LANG 3(3,0) Honors Nobel Prize Literature: Spain and Latin America: PR: Permission of Honors and Junior standing or C.I. Students will analyze, discuss and research English translations of Spanish and Latin American Nobel Prize-Winning writers. Through readings, students will explore the universality of Spanish literature. Occasional.

SPW 3100 CAH-LANG 3(3,0) Survey of Spanish Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major literary currents and works from the Middle Ages through the Eighteenth century. Fall.

SPW 3101 CAH-LANG 3(3,0) Survey of Spanish Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major literary currents and works of the Nineteenth century to the present. Spring.

SPW 3130 CAH-LANG 3(3,0) Survey of Latin-American Literature I: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3131 CAH-LANG 3(3,0) Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Major literary currents and works of the Nineteenth century from Realism to the present. Spring.

SPW 3320 CAH-LANG 3(3,0) Modern Hispanic Theatre Workshop I: PR: C.I. Introduction to fundamental actor's technique and practice in Spanish. Short scenes will be performed in class. Occasional.


SPW 3370 CAH-LANG 3(3,0) Spanish Short Story: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th-century Spanish short stories and their authors. Occasional.

SPW 4272 CAH-LANG 3(3,0) 20th Century Spanish Novels: PR: SPN 3101 or SPN 3131 or C.I. Major works by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0) Golden Age Drama: PR: SPW 3101 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcon, and Calderon. The controversies of the Spanish theatre and its influence abroad are examined. Occasional.

SPW 4322 CAH-LANG 3(3,0) Contemporary Iberian Theatre: PR: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

SPW 4364 CAH-LANG 3(3,0) Latin-American Narrative/Essay: PR: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3570 or C.I. Study of Latin American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

SPW 4381 CAH-LANG 3(3,0) Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3131 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.


SPW 4450 CAH-LANG 3(3,0) Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3131, or C.I. A study of literary criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0) Nineteenth Century Spanish Literature: PR: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

SPW 4604 CAH-LANG 3(3,0) Cervantes: PR: SPW 3100 or C.I. Don Quixote. Occasional.

SPW 4720 CAH-LANG 3(3,0) The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation's main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3,0) Hispanic Literature of the United States: PR: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.
STA 1063C COS-STAT 3(3,0) Basic Statistics Using Microsoft Excel: Applications of Excel to analyzing data: single-variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2,1) Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3,0) Statistical Methods I: PR: MGF 1106 or any other MAC course. First course methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3,0) Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3,0) Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better. Axioms of probability; combinatorial and geometrical probability; probability distributions; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-EMS 3(3,0) Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of "C" (2.0) or better and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3,0) Statistical Graphical Methods: PR: STA 2023 and STA 3032, and a knowledge of a programming language. Principles of graph construction, graphical perception, graphical methods, computer programs for graph construction. Occasional.

STA 4102 COS-STAT 3(3,0) Computer Processing of Statistical Data: PR: STA 4103 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3,0) Life Contingencies I: PR: STA 4133 (or old number STA 3133). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.


STA 4133 COS-STAT 3(3,0) Loss Models I: PR: MAC 2313 and STA 4132. Distributional quantities, characteristics of actuarial models, continuous models, discrete distributions, frequency and severity with coverage modifications, aggregate loss models, estimation for modified data, frequentist estimation. Spring.


STA 4163 COS-STAT 3(3,0) Statistical Methods II: PR: STA 2023 or STA 3032. Not open to students with credit in STA 4165. Methods of analyzing data; statistical models; estimation; tests of hypotheses; regression and correlation, an introduction to analysis of variance, chi-square, and nonparametric methods. Fall, Spring.

STA 4164 COS-STAT 3(3,0) Statistical Methods III: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.


STA 4183 COS-STAT 3(3,0) Theory of Interest: PR: STA 4182 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 COS-STAT 3(3,0) Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration analysis, callable bonds. Spring.
SYA 4300C  COS-SOC  (4,3)
Research Methods: PR: Junior standing and grade of "C" (2.0) or better in SYG 2000. Sociology or Social Sciences majors only, or C.I. Creative solutions to sociological data collection and analysis; sampling techniques, proposal development, critical evaluation of social research, and relationship between theory and social research. Fall.

SYA 4310C  COS-SOC  (4,3)
Qualitative Research Analysis in Sociology: PR: SYA 4300C. Advanced research design and analysis focusing on qualitative research methodologies in sociology. Emphasizes data collection, management, analysis, interpretation, integration, presentation, and report writing. Occasional.

SYA 4450  COS-SOC  (3,2)
Data Analysis: Capstone: PR: Junior Standing and grade of "C" (2.0) or better in SYA 4300C and SYA 3400C. Sociology or Social Sciences majors only, or C.I. Advanced social research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.

SYA 4650C  COS-SOC  (3,2,2)

SYA 4900  COS-SOC  (3,1)
Applied Sociology: PR: SYA 4300C. How sociology is used outside academic settings to apply research methods in an applied research setting, and complete an applied research project. Odd Spring.

SYA 5625  COS-SOC  (3,0)
ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.

SYD 3410  COS-SOC  (3,0)

SYD 3700  COS-SOC  (3,0)

SYD 3800  COS-SOC  (3,0)
Sex and Gender in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination of sex and gender in society, as reflected in social norms, attitudes, beliefs, and social practices, and social institutions. Fall/Spring.

SYD 4020  COS-SOC  (3,0)

SYD 4510  COS-SOC  (3,0)

SYD 4514  COS-SOC  (3,0)

SYD 4810  COS-SOC  (3,0)
Women in Contemporary Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall/Spring.

SYD 4813  COS-SOC  (3,0)

SYD 4820  COS-SOC  (3,0)

SYD 5517  COS-SOC  (3,0)
Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.

SYD 5795  COS-SOC  (3,0)
Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.

SYG 2000  COS-SOC  (3,0)
Introduction to Sociology: Scientific study of sociological concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall/Spring.

SYG 2000H  COS-SOC  (3,0)
Honors Introduction to Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall/Spring.

SYG 2010  COS-SOC  (3,0)
Social Problems: Analysis of major social problems such as mental disorders, sexual deviation, racial discrimination, poverty, community disorganization, and violence. Fall/Spring.

SYG 3938  COS-SOC  (3,0)
Careers in Sociology: PR: SYG 2000 or SYG 2010. Explore careers that sociology majors are prepared for upon graduation and tips for improving chances of obtaining a desired career. Fall.

SYG 4244  COS-SOC  (3,0)
Food and Society: PR: SYG 2000, or SYG 2010, or Junior standing. Through the exploration of food in society, students will discover the significance of food in people’s lives and discover ways food expresses relationships among people. Occasional.

SYO 3000  COS-SOC  (3,0)

SYO 3360  COS-SOC  (3,0)

SYO 3408  COS-SOC  (3,0)
Animals and Health: PR: One of SYG 2000, ANT 2000, or SYG 2012, or Junior standing. Explores the ways in which non-human animals both enhance and diminish humans’ health. Occasional.

SYO 3410  COS-SOC  (3,0)
TAX 4001 BA-ACCT 3(3,0)
Taxation of Business Entities and Transactions: PR: Junior standing. AC 5311 with a grade of "C" (2.0) or better. Federal income tax laws affecting the taxation of business entities and transactions. Fall, Spring.

TAX 5015 BA-ACCT 3(3,0)
Advanced Tax Topics: PR: Graduate standing, TAX 4001 with a "C" (2.0) or better. Advanced tax issues affecting business entities and their owners, with a primary focus on corporations and partnerships. Occasional.

THE 2000 CAH-THEA 3(3,0)
Theatre Survey: Overview of the art and craft of the theatre. Restriction to non-majors. Fall, Spring.

THE 2000H CAH-THEA 3(3,0)

THE 2020 CAH-THEA 3(3,0)
Survey of Theatre for Majors: PR: Theatre major or minor. Overview of the art and craft of theatre. Fall.

THE 2050 CAH-THEA 3(3,0)
Theatre Studies in Creative Drama: Techniques and theories for facilitating creative drama with youth, as both an art form and teaching tool. Occasional.

THE 2081C CAH-THEA 3(2,1)
Introduction to UCF Theatre: PR: Theatre major. Specific UCF Theatre Department production protocols and operations. Fall.

THE 2090L CAH-THEA 3(3,0)
Theatre Participation: PR: Department Consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA 3(3,0)
Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA 1(0,VAR)
Theatre Participation - Management I: PR: Theatre Major, Theatre Minor or Dance Minor, Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3006 CAH-THEA 3(3,0)

THE 3006H CAH-THEA 3(3,0)

THE 3082 CAH-THEA 3(3,0)
TPA 2290L CAH-THEA 1(0,VAR) Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4384C CAH-THEA 3(3,4) Advanced Topics in Technical Theatre: PR: C (2.0) or better in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. Departmental consent by audition or interview. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00

TPA 4400 CAH-THEA 3(3,0) Theatre Management: PR: "C" (2.0) or better in THE 2020, Theatre Major or Minor and Junior standing. Study of the development, organization, management, funding, and promotion of theatres. Fall.

TPA 4401C CAH-THEA 3(2,2) Theatre Careers in Production: PR: B.F.A Design/ Tech or Stage Management, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA 3(3,0) Stage Management: Applications: PR: B.F.A. Stage Management major, C (2.0) or better required in TPA 3601. Application of stage management techniques Fall.

TPA 4604 CAH-THEA 3(3,1) Stage Management: Professional Practice: PR: B.F.A. Stage Management major, "C" (2.0) or better required in TPA 4602. Union work rules and application of professional contracts. Fall.

TPA 5029C CAH-THEA 3(2,2) Lighting Design Studio: PR: TPA 5042C and TPA 5052C. Advanced work in the process of designing light for theatre with an emphasis on the use of light as artistic expression. Occasional.

TPA 5042C CAH-THEA 3(2,2) Costume Design Studio: PR: Admission to the graduate program in Theatre or C.I. Project oriented course in the advance study of Costume Design. Occasional.

TPA 5062C CAH-THEA 3(2,2) Scene Design Studio: PR: Graduate status or C.I. Advanced work in the conceptualization and communication of scenic designs for the theatre. Spring.

TPA 5081C CAH-THEA 3(3,3) Design Concepts for Youth Theatre: PR: Admission to the graduate program in Theatre or C.I. A study of design elements (lighting, costume, set) as they apply to youth theatre. Off Spring.


TPA 5095C CAH-THEA 1(1,1) Rendering for Theatre I: PR: Admission to the graduate program in Theatre or C.I. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.

TPA 5175C CAH-THEA 1(1,1) Rendering for Theatre II: PR: TPA 5050C. Software and technology available for visual communication and documentation. Spring.

TPA 5345C CAH-THEA 2(2,2) 2D Computer Assisted Design for Theatre: PR: Admission into the Theatre MFA Design track. Two-dimensional computer drafting and editing techniques applicable to theatre design. Occasional.

TPA 5346C CAH-THEA 2(2,2) 3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.
TPA 3505C CAH-THEA 3(3,0)
Acting on Camera: PR: BA Theatre major; "C" (2.0) or better in TPP 4512C, Musical Theatre Voice Techniques: PR: "C" (2.0) or better in TPP 3170C, or TPP 3743C.Continuation of Musical Theatre voice training. Individualized instruction. Fall, Spring.

TPP 4271C CAH-THEA 2(2,2)
MT Applied/Studio Voice IV: PR: "C" (2.0) or better in TPP 4270C. Continuation of Musical Theatre voice training. Individualized instruction. Fall.

TPP 4531C CAH-THEA 2(2,1)
Advanced Directing for Theatre: PR: "B" (3.0) or better in TPP 3743C. Practical experience directing class scenes and projects. Spring.

TPP 4551C CAH-THEA 2(2,2)
Stage Combat: PR: BFA Acting or Musical Theatre major, grade of "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4553C CAH-THEA 2(2,1)
Period Movement: PR: Grade of C (2.0) or better in TPP 3713C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4703C CAH-THEA 2(2,1)
Dialects: PR: Grade of "C" (2.0) or better required in TPP 3712C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA 2(2,2)
Musical Theatre Auditioning: PR: Theatre major and grade of "C" (2.0) or better in TPP 2130C. Preparation for professional musical theatre auditions. Occasional.

TPP 4923C CAH-THEA 2(2,2)
MT Applied/Studio Voice VI: PR: "C" (2.0) or better in TPP 4271C. Continuation of Musical Theatre voice training. Individualized instruction. Spring.

TPP 5143C CAH-THEA 3(2,2)
Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4655C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA 1(0,VAR)
Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2100L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $48.00

TPP 4221 CAH-THEA 3(3,0)
Auditioning: PR: "C" (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA 2(2,2)
Theatre Careers for Performance: PR: B.A. Theatre or Musical Theatre major. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243C CAH-THEA 2(2,2)
Musical Theatre Auditioning: PR: Theatre major or minor and "C" (2.0) or better in TPP 2100L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $48.00

TPP 4311C CAH-THEA 2(3,2)
Musical Theatre Monologue: PR: B.F.A. Musical Theatre major, and "C" (2.0) or better required in TPP 2170C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3525C CAH-THEA 2(2,1)
Musical Theatre Scene Study: PR: B.F.A. Musical Theatre major, and "C" (2.0) or better in TPP 2170C. Practical acting technique for musical theatre scene study. Fall.

TPP 3527C CAH-THEA 2(2,2)

TPP 3528C CAH-THEA 2(2,1)
Musical Theatre Voice Styles: PR: B.F.A. Acting or B.A. Theatre Studies major, and "C" (2.0) or better in TPP 3527C. Singing a variety musical theatre repertoire styles. Fall.

TPP 3526C CAH-THEA 3(3,2)
Acting on Camera: PR: BA Theatre major; "C" (2.0) or better in TPP 2170C, and TPP 3103. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3272C CAH-THEA 2(2,2)

TPP 3310C CAH-THEA 3(2,2)
Directing for Theatre II: PR: Theatre major and "C" (2.0) or better in TPP 3743C. Principles and techniques of play direction to include script selection, directorial analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA 2(2,1)
Movement for the Actor I: PR: B.F.A. Acting Major. Physical exploration of relaxation, release, and strengthening exercises designed to help the actor develop a more expressive body. Fall.

TPP 3513C CAH-THEA 2(2,1)
Movement for the Actor II: PR: C (2.0) or better in TPP 3510C. Reinforcement of the techniques of TPP 3510C. Fall.

TPP 3711C CAH-THEA 2(2,1)
Voice Production II: PR: "C" (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA 2(2,1)
Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

TPP 3743C CAH-THEA 2(2,2)
Musical Theatre Applied/Studio Voice I: PR: "C" (2.0) or better in TPP 3272C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3744C CAH-THEA 2(2,2)
Musical Theatre Applied/Studio Voice II: PR: "C" (2.0) or better in TPP 3743C. Continuation of Musical Theatre voice training with individualized instruction. Fall.

TPP 3952L CAH-THEA 3(0,VAR)
Summer Studio Performance: PR: Audition/ Interview or departmental consent. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 4140C CAH-THEA 2(2,2)
Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3713C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA 2(2,2)
Acting Verse: PR: Grade of "C" (2.0) or better in TPP 3712C and TPP 4140C. Verse drama with particular emphasis placed on scan and verse in the plays of William Shakespeare. Occasional.
TPP 4940L CAH-THEA (6,0,VAR) Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and senior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA (2,2) Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop creative freedom, imagination, and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA (3,2) Acting Studio I: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA (3,2) Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1850-) European playwrights with emphasis on the works of Ibsen/Cherkov/Shaw. Spring.

TPP 5246C CAH-THEA (2,2) Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA (2,2) Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA (2,0,0) Musical Theatre Acting I: PR: TPP 5157C. Integration of musical theatre acting, singing, and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5278C CAH-THEA (1,1,1) Musical Theatre Lab: PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5289C CAH-THEA (2,2,2) Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA (3,3,3) Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA (2,2) Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unamed combat. Spring.

TPP 5554C CAH-THEA (2,2,4) Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA (2,2,4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA (2,2,1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage; the correct production of sound, breathing, relaxation of physical tension, and articulation Fall.

TPP 5716C CAH-THEA (2,2,1) Stage Voice II: PR: Admission to the MFA Performance Program. TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's narrow transcription with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA (2,0,0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA (2,2,2) Contemporary Practices in Youth Theatre: PR: Admission to TPP 5715C or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAL-LANG (3,0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TL&L (3,0,0) Theory and Practice of Teaching ESL to Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). Focus on the role of the ESL teacher, using different speaking and listening skills. Fall, Spring.

TSL 4240 CAL-LANG (3,0,0) Issues in Second Language Acquisition: PR: TSL 4080. English phonology, morphology, syntax, and semantics, for future teachers. Fall, Spring.

TSL 4243 CAL-LANG (3,0,0) ESL Classroom Experiences: PR: TSL 3346 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L (3,0,0) ESOL Field Experiences: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 4943 ED-TL&L (3,0,0) L2 Academic Language Instruction: PR: TSL 4080. Research, theory, and practical application of teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Spring.

TSL 4945 ED-TL&L (3,0,0) ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L (3,0,0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAL-LANG (3,0,0) ESOL Strategies: PR: Graduation status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TL&L (3,0,0) Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.
Introduction to Gender Studies:

- **WST 3015H:** Honors. Historical and cultural foundations of gender, sexuality, and emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures. With Honors content.

- **WST 3460H:** CAH-WOM (3,0) Honors Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

- **WST 3520:** CAH-WOM (3,0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

- **WST 3371:** CAH-WOM (3,0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

- **WST 3460:** CAH-WOM (3,0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

- **WST 3500:** CAH-WOM (3,0) Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

- **WST 3522:** CAH-WOM (3,0) First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. Occasional.

- **WST 3561:** CAH-WOM (3,0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

- **WST 3603:** CAH-WOM (3,0) Introduction to Gender Studies: PR: ENC 1101. Historical and cultural foundations of gender, sexuality, and intersectional theories with attention to fluidity of identities and diversity of experiences. Even Fall.

- **WST 3621:** CAH-WOM (3,0) Theories of Masculinity: PR: ENCI 1102. Masculinity from feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

- **WST 4002:** CAH-WOM (3,0) Research in Women and Gender Studies: PR: WST 3015. Interdisciplinary, feminist perspectives applied to the development of leadership skills in girls. Service learning component. Occasional.

- **WST 4022:** CAH-WOM (3,0) Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.

- **WST 4415:** CAH-WOM (3,0) Global and Transnational Feminism: PR: ENC 1102 and WST 3015. Feminist theory from a global, multi-cultural perspective, combined with global feminist activism. Service learning component. Occasional.

- **WST 5349:** CAH-WOM (3,0) Ecofeminism: PR: ENC 1102 and WST 3015. Connections between feminism and the environment. Occasional.

- **WST 5601:** CAH-WOM (3,0) Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

- **WST 5619:** CAH-WOM (3,0) Applied Gender Studies: PR: Graduate standing or C.I. Emphasize practical applications of gender theories and research in public and private sectors (i.e., the workforce, government agencies, global contexts) to strengthen leadership skills and enable effective policy and planning. Even Fall.

- **ZOO 3701C:** COM-BSBS (3,14) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3733C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials. The primary student population should be juniors/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M&S fee $70.00

- **ZOO 3713C:** COS-BIOL (5,3) Comparative Vertebrate Anatomy: PR: A ‘C’ (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenic significance. Fall. M&S fee $65.00

- **ZOO 3733C:** COM-BSBS (4,3) Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee $6.00

- **ZOO 3733C:** COM-BSBS (4,3) Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring. M&S fee $6.00

- **ZOO 3793C:** COM-BSBS (4,2) Exercise Physiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

- **ZOO 4426C:** COS-BIOL (4,2) Herpetology: PR: C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Occasional.

- **ZOO 4480:** COS-BIOL (4,0) Mammalogy: PR: A ‘C’ (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Diversity and biology of mammals from an evolutionary perspective. Even Spring.

- **ZOO 4480L:** COS-BIOL (3,0) Mammalogy Lab: CR: ZOO 4480. This lab will enhance topics covered in the lecture further exploring the anatomy and identification of mammals with hands-on experience. Fall.

- **ZOO 4513:** COS-BIOL (3,0) Animal Behavior: PR: A ‘C’ (2.0) or better in BSC 2004 or equivalent. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.

- **ZOO 4603C:** COS-BIOL (5,3) Embryology/Development: PR: A ‘C’ (2.0) or better in both PCB 3063 and PCB 3023, or PCB 3522, or C.I. Concepts of developmental processes. Emphasis on mechanisms underlying vertebrate development. Spring. M&S fee $22.00

- **ZOO 4605:** COM-BSBS (3,0) Human Clinical Embryology and Congenital Malformation: PR: ZOO 3733C. Advanced human clinical embryology with focus on congenital anomalies. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZOO 4742</td>
<td>COM-BSBS</td>
<td>Advanced Neurobiology: PR: ZOO 3744. Advanced topics in movement, vision, motivation, sex and brain, emotions, biological rhythms, sleep, language, attention, mental illness, development, learning, memory, degeneration, regeneration. Spring.</td>
<td>3(0,0)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS</td>
<td>Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
<td>4(3,1)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>COM-BSBS</td>
<td>Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
<td>4(3,2)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>COM-BSBS</td>
<td>Clinical Neuroscience: PR: ZOO 3744 or ZOO 4743C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, immunonimmunology, neuropharmacology and neurodiagnostics with Honors consent. Spring.</td>
<td>4(3,1)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>COM-BSBS</td>
<td>Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal-tissue microtechnique. Spring. M&amp;S fee $70.00</td>
<td>4(3,3)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4754L</td>
<td>COS-BIOL</td>
<td>Research Experience in Animal Behavior in a Zoo Environment: PR: A minimum grade of a &quot;B&quot; (3.0) in ZOO 4513. Observing, documenting, and analyzing animal behavior in a zoological setting. Fall, Spring.</td>
<td>VAR(0,VAR)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4755</td>
<td>COS-BIOL</td>
<td>Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&amp;S Fee $15.00</td>
<td>4(3,3)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4756</td>
<td>COS-BIOL</td>
<td>Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&amp;S fee $25.00</td>
<td>4(2,6)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4757C</td>
<td>COM-BSBS</td>
<td>Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.</td>
<td>5(3,2)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4758</td>
<td>COS-BIOL</td>
<td>Herpetology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, Certificate in Conservation Biology, PSM in Conservation Biology, or C.I. Introduction to the biology of the amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&amp;S fee $60.00</td>
<td>4(2,4)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4759L</td>
<td>COS-BIOL</td>
<td>Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&amp;S fee $30.00</td>
<td>3(0,6)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4760</td>
<td>COS-BIOL</td>
<td>Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
<td>4(4,0)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4761</td>
<td>COS-BIOL</td>
<td>Essentials of Neurodiagnostics: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I. Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&amp;S Fee $15.00</td>
<td>5(4,1)</td>
<td></td>
</tr>
<tr>
<td>ZOO 4762</td>
<td>COS-BIOL</td>
<td>Clinical Neurodiagnostics: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 4748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, immunonimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
<td>5(4,1)</td>
<td></td>
</tr>
</tbody>
</table>
BIRAIMAH, KAREN L., Director and (2002), B.S., M.S., Ph.D. (Polytechnic
Associate of Physics
Lecturer of Physics
University)
BIDDLE, JEFFREY, Associate Professor of Physics
(2010), B.S., M.S. Ph.D. (University of George
Associate
BEG, SHAZIA, Assistant Professor of Rheumatology
(2011), M.D. (State University of New York)
BEHAL, AMAN, Associate Professor of Electrical and Computer Engineering
(2001), B.S., M.S., Ph.D. (Clemson University)
BEIDE, DEBORAH C., Professor of Psychology, Associate Chair of Research, Secondary Joint Appointment of College of Medicine, Coordinator of Clinical Ph.D., and University Pegusa Professor
(2007), M.S.Ed., Ph.D. (University of Pittsburgh)
BEILE, PENNY M., Acting Head Reference Services and University Lifeline
BEILER, ROSALIND J., Associate Professor
(1994), B.A., Ph.D. (University of Pennsylvania)
BELLEW, CHRISTINE, Assistant Professor of Pediatrics
(2011), M.D. (University of South Florida)
BELLEW, MICHAEL, Assistant Professor of Neurosurgery
(2012), M.D. (University of South Florida)
BENNETT, REBECCA J., Professor of Management
(2016), B.A., M.S., Ph.D. (Northwestern University)
BENSON, CYNTHIA, Instructor of Political Science
(1985), B.A., M.A. (Ohio University)
BERMAN, STEPHEN, Professor of Psychology
(2000), Ph.D. (Florida International University)
Berman, Steven L., Associate Professor of Psychology
(2001), M.S., Ph.D. (Florida International University)
BHANUSALI, NEHA, Assistant Professor of Psychology
(2015), M.A. (Ball State University)
BLEDSOE, ROBERT L., Lerner, of Education & Human Performance
(2005), B.S., M.Ed., Ph.D. (Curtin University)
BOLLEN, PATRICK, Assistant Professor of Mathematics
(2008), B.S., M.S., Ph.D. (University of Texas)
BOLMA, LANISLAU, Professor of Computer Science
(2002), B.S., M.S., Ph.D. (Purdue University)
BOOTE, DAVID N., Associate Professor, College of Education & Human Performance
(2009), B.Ed., B.S., M.A., Ph.D. (Simon Fraser University, British Columbia, Canada)
BOLME, STEPHEN F., Associate Professor of Finance
(1994), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)
BORCH, RAYMOND, Assistant Professor
(2007), Ph.D. (University of Wyoming)
BORDON, ROBERT, Assistant Professor
(2007), Ph.D. (University of Tennessee)
BORKI, ALI, Assistant Professor of Computer Science
(2015), Ph.D. (University of Bonn, Germany)
BOSKY-WETZEL, ELLA, Assistant Professor
(2000), Ph.D. (State University of New York)
BOTTOFF, TIMOTHY J., Head, Orlando Foundation Library at Rosen and Assistant Librarian
(2004), B.A., M.L.I.S. (Florida State University)
BOURGAULT, ANNETTE, Assistant Professor, College of Nursing
(2015), R.N., Ph.D. (Georgia Health Sciences University)
BOUIN, ANDREW, Assistant Professor of Political Science
(2009), Ph.D. (Pennsylvania State University)
BOWDON, MELODY A., Director, Faculty Center for Teaching and Learning and Professor of Writing & Rhetoric
(1999), B.A., M.A., Ph.D. (University of Arizona)
BOWERS, CLINT, Assistant Professor of Psychology
(1994), B.S., M.A., Ph.D. (University of South Florida)
BOYD, BELINDA, Associate Professor of Theatre
(2002), B.S., M.F.A. (University of Louisville)
BRADSHAW, EMILY, Assistant Professor
(2015), Ph.D. (University of Kentucky)
BRANTING, SCOTT, Assistant Professor of Anthropology
(2015), Ph.D. (University at Buffalo, State University of New York)
BRENER, MARTHA, Professor of Writing & Rhetoric
(1996), B.A., M.A., Ph.D. (Lehigh University)
BRENNAN, JOSEPH P., Associate Chair and Professor of Mathematics, Secondary Joint Professor of Nanotechnology, Technology Center, and Graduate Coordinator
(2006), Ph.D. (University of Illinois at Urbana-Champaign)
BRIDGE, CANDICE, Assistant Professor of Chemistry and Joint Assistant Professor of the National Center for Forensic Science
(2007), Ph.D. (University of Central Florida)
BRITT, DANIEL, Professor of Physics, Dean’s Distinguished Research, and Graduate Coordinator of Planetary Sciences
(2003), Ph.D. (Brown University)
BRODIE, LYMAN A., Executive Associate Dean, College of Arts and Humanities, Professor of Music
(1990), B.A., M.M.E. (University of North Texas)
BROOKS, LISA, Lecturer, College of Education & Human Performance
BROPHY-ELLISON, JAMES C., Lecturer of Psychology
(2006), B.A., Ph.D. (Vanderbilt University)
BROHVOET, MARK W., Associate Professor of Theatre
BROWN, JAMES C., Associate Lecturer of Theatre
BROWN, KEVIN, Lecturer of Theatre
(2015), B.A., M.S.W. (Florida State University)
BROWN, TIMOTHY F., Associate Professor of Communication and Area Coordinator of Radio/Television
(2005), B.A., M.A., Ph.D. (University of Minnesota)
BRUCKNER, THOMAS, Lecturer of Physics
(2004), M.S., Ph.D. (Montana State University)
BRUNNER, DAVID L., Director of Choral Activities and Professor of Music
BRYAN, MATTHEW, Lecturer of Writing & Rhetoric
BRYER, THOMAS, Professor of Public Administration
(2007), B.A., M.P.A., Ph.D. (University of Southern California)
BURBIS, ANNE, Lecturer of Women's Studies
(2015), B.A., M.A., Ph.D. (University of Central Florida)
BUCOFF, RITA B., Assistant Lecturer, College of Education & Human Performance
BUFOIN, DIEGO, Assistant Professor of Hospitality Management
(2015), B.A., M.S., Ph.D. (University of South Carolina)
BUTCHER, LONNY, Instructor of Nursing
(2011), B.A., J.D. (University of Minnesota)
BURNETT, JASON, E., Associate Lecturer of SVAD
(2002), B.A., M.F.A. (University of Cincinnati)
BUSHY, ANGELINE A., Bert Fish Eminent Chair Professor and College of Nursing
(1996), F.A.A.N., M.N., Ph.D. (University of Nevada)
BUTCHER, LONNY, Instructor of Nursing
(2011), B.A., M.A. (Louisiana State University)
BUVEL, MALCOLM, Professor of College of Education & Human Performance
(2012), B.S., M.Ed., Ph.D. (University of Florida)
BUTLER, S. KENT, Associate Professor, College of Education & Human Performance
(2007), B.A., M.A., Ph.D. (University of Connecticut)
BUYSSENS, RYAN, Assistant Professor of SVAD
BYRD, ANTHONY K., Associate Professor of Finance
(1993), B.S., M.B.A., Ph.D. (University of South Carolina)
CABRERA, CHERYL, Associate Professor of SVAD
(2003), M.F.A. (Savannah College of Art and Design)
CALABRESE, MARK, Instructor of Industrial Engineering
(2004), B.S.E., M.S.E. (University of Central Florida), P.E. (Florida)
Dukay, Dorin, Associate Professor of Mathematics (2006), B.S., Ph.D. (University of Iowa)
Dziegielewski, Sophia, Professor of Social Work and Military Coordinator (2010), B.A., M.S.W., Ph.D. (Florida State University)
Eastep, Mary Ann, Associate Lecturer of Criminal Justice (1990), B.S., M.S., Ph.D. (Florida Atlantic University)
Eastes, Richard, Secondary Joint Appointment, Economics (2008), Ph.D. (John Hopkins University)
Ebbert, Steven, Associate Professor (2005), Ph.D. (Ohio State University)
Edison, John, Visiting Instructor of Electrical and Computer Engineering (2013), B.S., M.S. (University of Central Florida)
Edward, Barry, Lecturer of Political Science (2014), B.A., J.D., Ph.D. (University of Georgia)
Edward, Joellen, Professor, College of Nursing (2015), R.N., Ph.D. (Ohio University)
Edward, Oliver W., Associate Professor, College of Education & Human Performance (2003), B.A., M.Ed., Ed.S., Ed.D., Ph.D. (University of South Carolina)
Eftimiou, Costas, Associate Professor of Physics (2000), Ph.D. (Colombia University)
Ehazs, Maribeth, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)
Ehren, Barbara, Professor of Communication Sciences and Disorders (2007), B.S., M.S., Ed.D. (Florida Atlantic University)
Ehren, Tom, Instructor and Clinical Educator of Communication Sciences and Disorders Clinic (1988), M.S. (University of South Florida)
Ekow, Entian, Instructor, College of Nursing (2015), ARNP, M.S.N., Pharm.D. (Lake Erie College of Osteopathic Medicine)
Elashhab, Shady, Lecturer of Electrical and Computer Engineering (2010), M.S., Ph.D. (Oakland University, Michigan)
Ellis, E. Taylor, Associate Dean and Associate Professor of Business Administration (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)
Elshaimy, Sherif R., Associate Professor of Chemistry and Undergraduate Coordinator of Advising (1998), B.S., Ph.D. (University of Florida)
Elshennawy, Ahmad K., Associate Chair and Graduate Coordinator, Professor of Industrial Engineering (1986), B.S., M.S., M.Eng., Ph.D. (Pennsylvania State University)
Elswick, P. Shannon, Lecturer & Executive in Residence, Health Management & Informatics (2015), B.S., M.S.A. (Central Michigan University)
Elumah, Kenan, Associate Professor of Civil, Environmental, and Construction Engineering (2014), B.Tech., M.S., Ph.D. (University of Texas)
Elva, Rochelle, Visiting Lecturer of Electrical Engineering and Computer Science (2014), B.Sc., Ph.D. (University of Central Florida)
Elva, Rochelle, Visiting Lecturer of Computer Science (2014), Ph.D. (University of Central Florida)
Englehart, Deirdre, Associate Lecturer, College of Education & Human Performance (1999), B.A., M.Ed., Ed.D. (University of Central Florida)
Erge, Roberta, Associate Lecturer, College of Education & Human Performance (2008), B.A., M.Ed., Ph.D. (University of Florida)
Estevéz, Alvaro, Associate Professor (2010), Ph.D. (Universidad De Buenos Aires)
Espinosa, Stephen, Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)
Evans, Doug, Associate Lecturer of Humanities (1998), B.A., M.A., Ph.D. (Florida State University)
Everett, Jr., Robert M., Associate Professor, College of Education & Human Performance (1990), B.S., M.S., Ph.D. (University of Southern Mississippi)
Fahy, Dan, Associate Professor, College of Education & Human Performance (1997), B.A., M.Ed., Ed.D. (University of Arizona)
Fabery, Dina A., Associate Lecturer of Spanish (1994), B.A., M.A. (University of South Carolina)
Fahim, Azza, Lecturer of Electrical and Computer Engineering (2009), B.S., M.S., Ph.D. (Cairo University)
Fan, Dianhua, Instructor for TESOL (2015), M.S., Ph.D. (Purdue University)
Fandrell, Joseph R., Assistant Professor of SVAD (2014), B.S., M.S., Ph.D. (University of Central Florida)
Fang, Jiyu, Associate Professor of Materials Science and Engineering (2004), Ph.D. (Southeast University)
Farina, Marcella A., Assistant Professor in TESOL (2010), B.A., M.A., Ph.D. (University of Central Florida)
Farless, Patricia, Associate Instructor of History (1997), B.A., M.A. (University of Central Florida)
Farrell, Donald, Assistant Military Instructor (2014)
Fathpour, Sasan, Assistant Professor of Optics & Photonics (2008), Ph.D. (University of Michigan)
Faught, John E., Associate Professor of Biology (2003), B.S., Ph.D. (Duke University)
Favela, Luis H., Assistant Professor of Philosophy and Cognitive Sciences (2015), B.A., M.A., Ph.D. (University of Cincinnati)
Feder, Lynette, Professor of Doctoral Program in Public Affairs (2012), B.A., M.A., Ph.D. (State University of New York at Albany)
Fedorka, Kireneh M., Associate Professor of Biology and Graduate Program Director (2005), B.S., Ph.D. (University of South Carolina)
Feldheim, Mary Ann, Director, Associate Professor of Public Administration (1997), B.S.N., M.S.N., Ph.D. (Florida Atlantic University)
Fennessy, Roberta, Instructor of Public Administration (2015), M.S.U.R.P. (Columbia University)
Fenton, James, Director, FSEC and Professor (2005), Ph.D. (University of Illinois, Urbana-Champaign)
Fernandez, Jose B., Professor of History and Spanish (1981), B.A., M.A., Ph.D. (Florida State University)
Fernandez, Yang, Associate Professor of Physics and Observatory Director (2008), Ph.D. (University of Maryland)
Fernandez-Rubiera, Francisco, Assistant Professor of Medicine (2012), B.A., M.A., Ph.D. (Georgetown University)
Fernandez-Valle, Cristina, Associate Professor of Chemistry (1995), B.S. (University of Miami School of Medicine)
Fiesta, Jason, Lecturer of Legal Studies (2014), B.A. (Stetson University)
Fisher, Dennis M., Lecturer of Civil, Environmental, and Construction Engineering (2013), B.S.E., M.S.E. Ph.D. (University of Arizona/Barbados: P.E. Alaska)
Fine, Terris, Professor of Political Science and Associate Director, Loy Frey Institute (1989), B.A., M.A., Ph.D. (University of California)
Finley, Terris, Professor of Pediatrics (2015), Ph.D. M.D. (Stanford University)
Fiore, Stephen, Associate Professor of Cognitive Sciences and Program Director in Institute for Simulation and Training (1989), B.S., B.A., M.S., Ph.D. (University of Pittsburgh)
Fisak, Brian, Associate Professor of Psychology (2015), Ph.D. (University of Central Florida)
Fisher, Thomas, Associate Lecturer, College of Education & Human Performance (1998), B.A., M.A., Ph.D. (University of Central Florida)
Flaig, Todd, Instructor, Externship Coordinator of Communication Sciences and Disorders (2014), M.A. (University of Central Florida)
Fjelstul, Jill, Associate Professor of Hospitality Management (2005), B.A., M.A., Ed.D. (University of Central Florida)
Flamnia, Madelyn, Associate Professor of English (1990), B.A., M.A., Ph.D. (Rutgers University)
Flanagan, Patrick, Assistant Military Instructor (2014)
Flint, Michael W., Instructor of Criminal Justice (2015), B.A., M.S. (University of South Florida)
Flick, Santow, Associate Professor of Materials Science and Engineering (2010), B.S. (University of Washington)
Florsheim, Rich, Instructor for Hospitality Management (2013), M.B.A (Crummer School of Business, Rollins College, FL)
Flory, David, Assistant Professor (2013), Ph.D. (Wake Forest University)
Fogler, Robert G., Distinguished Alumni Endowed Professor of Business Ethics (2003), B.A., M.A., Ph.D. (University of North Carolina-Chapel Hill)
Folse, Keith S., Professor of TESOL (1989), B.A., M.A., Ph.D. (University of South Florida)
Fontaine, Matthew, Visiting Instructor of Electrical Engineering and Computer Science (2014), B.S., M.S. (University of Central Florida)
Fontaine, Matthew, Instructor of Computer Science (2014), M.S. (University of Central Florida)
Fousoo, Hassan, Professor of Computer Science (2002), B.S., M.S., Ph.D. (University of Delaware)
Forsythe, Lenora, Visiting Instructor, College of Education & Human Performance (2010), B.S., M.Ed. (Nova Southeastern University)
Foster, Amy, Associate Professor of History (2005), B.S., M.A., Ph.D. (Auburn University)
Fouty, H. Edward, Lecturer of Psychology (2007), M.S., Ph.D. (University of New Mexico)
Frazier, Donna, Instructor, College of Education & Human Performance (2002), B.S., M.A. (University of Central Florida)
Frazier, Andrew, Lecturer of Chemistry (2006), B.S., Ph.D. (University of Hartford)
French, Scot, Associate Professor of History (2011), B.A., M.A., Ph.D. (University of Virginia)
Fridrich, Jason, Chief Instructor of Hospitality Management (2013), B.S. M.B.A. (Walden University)
Fritzsch, Barbara, Associate Professor of Psychology and Graduate Coordinator of Industrial/Organizational M.S. (1996), B.S., M.A., Ph.D. (University of South Florida)
Frukin, Michael, Dean, College of Health and Public Affairs (2006), B.S., M.S., Ph.D. (Brandeis University)
Frye, Melissa, Associate Professor of Finance (1990), B.S., Ph.D. (Georgia Institute of Technology)
Fu, Xiaoxiao, Assistant Professor of Hospitality Management (2014), B.A., M.A., Ph.D. (Purdue University)
Fukuda, David, Assistant Professor, College of Education & Human Performance (2013), B.S., M.S., Ph.D. (University of Oklahoma)
GERMAN, DEBORAH C., Vice President for Medical Affairs, Dean of College of Medicine, and Professor of Medicine (2008), B.S., M.D. (Harvard Medical School) GERSTEIN, MARK, Associate Professor of SVAD (2000), B.A. (University of Chicago) GILSON, RICHARD, Professor Emeritus of Psychology (1989), Ph.D. (Princeton University) GILKESON, JAMES H., Associate Professor of Finance (2003), B.S., M.S.M., Ph.D. (Duke University) GILL, MICHELE G., Associate Professor, College of Education & Human Performance (2002), B.A., M.A.E., Ph.D. (University of Florida) GILLUM, SHALU, Assistant Medical Librarian (2010), M.S. (University of South Florida) GIBSON, RICHARD, Professor Emeritus of Psychology (1989), Ph.D. (Princeton University) GILTNER, ELIZABETH, Instructor of French (2002), B.A. (University of Arizona) GIORDANO, PAUL, Associate Professor of Anthropology (1994), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee) GLEASON, ROLAND, B., Associate Professor of Optical & Photonics Research (1995), Ph.D., D.Sc. (Vandivert Optical Institute) GLENN, ANNA, Assistant Professor of Religion and Cultural Studies (2012), B.A., M.A., Ph.D. (Duke University) GLEYZON, FRANCOIS-XAVIER, Assistant Professor of English (2011), License-ex-Lettres, Post Graduate Certificate, Ph.D. (Lancaster University) GLINOS, DEMETRIOS, Lecturer of Computer Sciences (2013), Ph.D. (University of Central Florida) GOLDEN, ADAM, Associate Professor of Geriatrics and Palliative Medicine (2011), M.D. (University of Miami) GOLDWATER, PAUL M., Associate Professor of Writing & Rhetoric (2009), B.A., M.B.A., M.S.W. (Florida State University) GONZALES, AVELINO J., Professor of Computer Science (2011), B.S.E.E., M.S.E.E., Ph.D. (University of Pittsburgh), P.E. (Florida) GONZALEZ, LAURA, Assistant Professor, College of Nursing (2011), D.N.E. (University of Central Florida) GOODMAN, CONSTANCE, Associate Librarian, Coordinator, College of Education & Human Performance (2005), B.A., M.A., Ed.D. (University of Miami) GOODMAN, STEPHEN H., Chair and Associate Professor of Management (1984), B.S., M.B.A., Ph.D. (Pennsylvania State University) GORDON, ALI, Associate Professor of Mechanical and Aerospace Engineering (2005), B.S., M.S., Ph.D. (Georgia Institute of Technology) GORDON, BRADLEY, Assistant Professor of College of Education & Human Performance (2015), B.A., M.S., Ph.D. (University of Alabama) GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Wisconsin-Madison) GORMAN, LAUREL, Assistant Professor of Pharmacology (2005), B.S., Ph.D. (Louisiana State University) GOJU, JINHUA, Professor of Mechanical and Aerospace Engineering and Secondary Joint Professor of Materials Science and Engineering (2007), Ph.D. (Florida State University) GRAJEDA, ANTHONY, Associate Professor of English (2001), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee) GRAJAN, RLZ, ELIZABETH, Professor of Sociology (2005), B.A., M.A., Ph.D. (Indiana University) GREGG, P., Executive in Residence and Assistant Chair (2003), B.S.B.A., M.S. (University of Alabama) GREGORY, AMY, Assistant Professor of Hospitality Management (2012), B.S., M.B.A., Ph.D. (University of Central Florida) GREGSHAM, REGINA, Associate Professor, College of Education & Human Performance (2003), B.S., M.A., Ed.S., Ph.D. (University of Alabama) GRIEBSCH, BARRY, Associate Instructor of Mathematics (2002), B.S., M.S., M.A. (University of Alabama) GRISSOM, DONITA, Lecturer, College of Education & Human Performance (2014), B.S., M.Ed., Ph.D. (University of Central Florida) GROFF, AMANDA, Lecturer of Anthropology (2009), B.A., M.A., Ph.D. (University of Central Florida) GROSS, BERNARD, Assistant Professor of Internal Medicine (2011), M.D. (Emory University) GRULA, RICHARD, Instructor, FIEA (2005), B.A., M.S.W. (University of Central Florida) GRYGLEWICZ, KIMBERLY, Assistant Professor & Social Work (2014), B.A., M.S.W., Ph.D. (University of South Florida) GUAL, CARLOS, Instructor of Athletic Training (2011), B.A., M.S.W. (University of South Florida) GUENZEL, STEFFEN, Lecturer of Writing & Rhetoric (2012), B.A., M.A., Ph.D. (University of Michigan) GUERRA-PUJOLS, ENRIQUE, Instructor of Business Law (2014), B.A., J.D. (University of Wisconsin) GUHA, ARUP, Associate Instructor of Computer Science (2009), B.S., M.S. (University of Wisconsin) GUHA, RATAN K., Associate Instructor of Computer Science (1991), B.S., M.S., Ph.D. (University of Texas) GUIDO-SANZ, FRANK, Assistant Professor, College of Nursing (2014), B.A., M.S.W., Ph.D. (Florida International University) GULDI MELANIE, Assistant Professor of Economics (2011), B.S., M.A., Ph.D. (University of California, Davis) GUNTER, GLENDA, Associate Professor, College of Education & Human Performance (1996), B.S., M.A., Ph.D. (Mississippi State University) GUPTA, REMA, Assistant Professor of Internal Medicine (2015), B.S., M.A., Ph.D. (St. George’s University) GUREL, BASAK, Assistant Professor of Mathematics (2013), Ph.D. (University of California, Santa Cruz) GURUPUR, VARADRAJ, Assistant Professor in Health Care Informatics & Health Services Administration (2014), Ph.D. (University of Alabama at Birmingham) HACIOMEROGLU, ERHAN, Associate Professor, College of Education & Human Performance (2007), B.S., M.S., Ph.D. (Florida State University) HADRIKA, DARLENE, Research Associate, SVAD (2010), B.S., M.F.A. (University of California at Los Angeles) HAGAN, DAVID J., Associate Dean for Academic Programs and Professor of Optical & Photonics and Physics (1987), B.S., Ph.D. (Hertiz-Watt University) HAGEDORN, W. BRYCE, Associate Professor, College of Education & Human Performance (2007), B.A., M.A., Ph.D. (University of Alabama) HAGGLUND, PEDER, Associate Director of Food & Beverage Laboratories, Lecturer of Hospitality Management (2004), B.S., M.S., Ph.D. (University of Central Florida) HAHM, JEEYeon, Assistant Professor of Hospitality Management (2012), B.A., M.S., Ph.D. (University of Central Florida) HANS-VAUGHN, DEBBIE, Associate Professor, College of Education & Human Performance (2003), B.A., M.B.A., M.S.W. (University of California) HAIMES, STANLEY, Assistant Professor of Internal Medicine (2014), M.D. (University of South Florida) HALL, RICK, Research Associate, FIEA (2005), B.S. (Pennsylvania State University) HALL, ROBERT M., Program Director of University Writing Center and Associate Professor of Writing & Rhetoric (2011), B.A., M.A., Ph.D. (University of Louisville) HALL, SCOTT F., Associate Professor of SVAD (2000), B.F.A., M.F.A. (Washington University) HALL, SHELLEY, Assistant Field Education Coordinator and Instructor of Social Work (2000), B.S.W., M.S.W. (Florida State University)
KEEBLE, JAMES, Lecturer of Marketing (2015), B.S., M.S., M.P.H. (University of Tennessee)

KEHO, ASHLEY, Research Associate of Physical Education (2010), B.S., Ed.D. (University of Florida)

KELCHNER, VIKI, Assistant Professor, College of Education & Human Performance (2015), B.A., Ed.S., Ph.D. (University of South Carolina)

KELLY, MICHELLE, Associate Professor, College of Education & Human Performance (2003), B.A., Ed.D., Ed.D. (University of Florida)

KELLER, CHARLES F., Associate Professor of Accounting (1993), B.S., M.S., Ph.D. (Texas A&M University)

KENNEDY, ANALEXIS, Visiting Instructor, College of Education & Human Performance (2015), B.S., M.Ed., Ed.S. (University of Central Florida)

KENNEDY, MARGARET ANN, Lecturer of Psychology (2001), Ph.D. (University of South Carolina)

KENTWARD, KORI, Associate Professor of Communication Sciences and Disorders (2003), B.A., Ed.D., M.S., Ph.D. (Pennsylvania State University)

KERNES, SHLOE, Lecturer, College of Education & Human Performance (2006), B.S., M.Ed. (University of Central Florida)

KHAJAVIKHAN, MERCEDEH, Assistant Professor of Optics & Photonics (2012), Ph.D. (University of Minnesota)

KHALED, AMIR, Assistant Professor of Electrical Engineering and Computer Science, and Associate Professor of Nanoscience Technology Center (2008), Ph.D. (Cambridge University, UK)

KIBBLE, JONATHAN, Assistant Dean of Medical Education and Professor of Physiology (2009), Ph.D. (University of Manchester)

KIBBEL, KELLY M., Assistant Professor of Civil, Environmental, and Construction Engineering (2013), B.S., M.S., Ph.D. (Oregon State University)

KIGHT, ERICA, Lecturer of Communication (2015), Ph.D. (University of Florida)

KIK, PIETER G., Associate Professor of Optical & Photonics and Physics (2003), Ph.D. (University of Amsterdam)

KILLINGWORTH, ELIZABETH, Acting Head, Information Literacy & Outreach Librarian (2000), B.S., M.L.S. (University of North Texas)

KILMAN II, MARCUS D., Head, Circulation Services and Assistant Librarian (1996), B.S., M.L.S.I.S. (University of Texas)

KIM, BRIAN, Assistant Professor of Electrical and Computer Engineering (2015), Ph.D. (Cornell University)

KIM, MYUNGJEE, Associate Professor of Political Science (2007), B.P.A., M.A., Ph.D. (Binghamton University-SUNY)

KIM, YOON SEONG, Associate Professor (2010), Ph.D. (Weill Cornell Graduate School of Medical Sciences)

KINCHIN, ELIZABETH, Assistant Professor, College of Nursing (2003), B.H.N., R.N., Ph.D. (Florida Atlantic University)

KING, JOSHUA, Associate Professor of Human Development & Family Science (2011), B.S., Ph.D. (University of Florida)

KING, KATHLEEN, Professor, College of Education & Human Performance (2003), B.A., M.Ed., Ed.D. (Widener University)

KING, STEPHEN, Associate Professor (2019), B.A., M.A., Ph.D. (University of Colorado)

KING-MORRIS, KELLI, Assistant Professor of Internal Medicine (2013), M.D. (University of South Florida)

KINNALLY, WILLIAM, Associate Professor of Communication (2008), B.A., M.A., Ph.D. (Florida State University)

KINSEY, BARBARA, Assistant Chair and Associate Professor of Political Science (2002), B.A., Ph.D. (Washington University in St. Louis)

KISBY, CYNTHIA M., Head, Regional Center for Brain Health (1996), B.A., M.A.L.S. (Dominican University)

KISSEL, KRISTINA, Assistant Professor of Psychiatry (2013), M.D. (University of Florida)

KNOLOG, MURRAY, Assistant Professor of Hospitality Management (2013), B.S., M.S., M.S.B.A., Ph.D. (Texas State University)

KLAPHEKE, MARTIN, Assistant Dean of Medical Education and Professor of Psychiatry (2010), M.D. (University of Kentucky)

KLEMM, RICHARD A., Associate Professor of Physics (2010), Ph.D. (Harvard University)

KLOUDEN, GREGG, Lecturer in Biology (2014), B.S., Ph.D. (University of Florida)

KNOX, CLAIRE, Assistant Professor of Public Administration (2010), Ph.D. (Florida State University)

KNOX, DEBRA, Clinical Educator of Communications Sciences and Disorders Clinic (2012), B.S., M.S. (Nova Southeastern University)

KNUCKEY, JONATHAN O., Associate Professor of Political Science (1999), B.A., M.A., Ph.D. (University of New Orleans)

KOBLASZ, MAGARITA M., Assistant Lecturer of Legal Studies (2004), B.A., J.D. (Stetson University)

KOCULI, EDA, Assistant Professor of Counseling (2013), B.S., M.S., Ph.D. (The John Hopkins University)

KÖGER, PHILIP C., Associate Faculty, College of Education & Human Performance (1999), B.A., M.A.T., Ed.S., Ed.D. (University of South Carolina)

KOHN, ROBIN M., Assistant Professor of Economics and Finance, and Director of the Institute of Bioorganic Chemistry, Russia (2008), B.S., M.S., M.A. (University of Chicago)

KONG, ANTHONY, Associate Professor of Communication Sciences and Disorders (2007), B.S., Ph.D. (University of Hong Kong)

KOWS, KEITH, Professor of Music (1990), B.M.E., M.M., D.M.A. (University of Southern California)

KOROSEC, RONNIE L., Associate Provost and Director of Operations, and Associate Professor of Public Administration (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)

KOROSY, ALICE A., Associate Instructor of Spanish (1996), B.A., M.A. (Florida State University)

KOTNOUR, TIMOTHY G., Professor of Industrial Engineering (2004), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)

KOYUROVA, ALLA, Associate Professor of Russian (2008), B.A., M.A., Ph.D. (Moscow State University, Russia)

KOVALEVICH, BRIGITTE, Assistant Professor of Anthropology (2015), Ph.D. (Vanderbilt University)

KOVACH, KEITH, Associate Professor of Civil, Environmental, and Construction Engineering (2004), M.S., M.A. (University of South Florida)

KOUVIKOULIN, VIATCHESLAV, Lecturer of Public Administration (1997), Ph.D. (University of Central Florida)

KRISHNA MOORTHY, ANAND, Associate Professor of Marketing (2004), B.S., Ph.D. (University of Illinois - Chicago)

KUJAWA, FRANK B., Associate Professor of Chemistry (1999), B.A., Ph.D. (Johns Hopkins University)

KUMAR, RANGANATH, Professor of Mechanical and Aerospace Engineering (2003), B.S., B.Tech., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

KUNERTH, JEFF, Visiting Instructor of Chemistry (2013), B.S. (Iowa State University)

KWUN, DAVID, JOON-WUK, Assistant Professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Iowa State University)

KYLE, BARBARA, Instructor of Writing & Rhetoric (2000), B.A., M.A. (University of Central Florida)

LADDE, JAY, Associate Professor of Emergency Medicine (2011), M.D. (Baylor College of Medicine)

LAMANNA, JACQUELINE, Assistant Professor, College of Nursing (2000), B.S.M.N., Ph.D. (University of Central Florida)

LAMBERT, STEPHEN, Associate Professor of Medicine (2008), B.S. (University of Wisconsin)

LAMBE, GLENN, Chair and Professor, College of Education & Human Development (2005), B.A., M.Ed., Ph.D. (College of William & Mary)

LAMEE, ADAM, Visiting Instructor of Theatre (2013), B.A., M.S. (University of Illinois)

LANDREVILLE, SARAH, Instructor, College of Nursing (2006), B.S.N., M.S.N. (University of Central Florida)

LANIER, DREW N., Associate Professor of Political Science (1997), B.A., J.D., Ph.D. (University of North Texas)

LANIER, PATRICIA, Instructor, College of Education & Human Performance (2004), B.A., M.A. (University of Central Florida)

LAPAGE, GARY, Instructor of Nutrition (2014), B.A.M.S. (University of Illinois)

LARCH, RICHARD E., Professor and Director of Sports Business Management (2001), B.S., M.S., Ph.D. (University of Denver)

LARSON, PETER, Interim Chair and Associate Professor of History (2006), B.A., M.A., Ph.D. (Rutgers University)

LARTONOIX, PAUL F., Associate Professor of Computer Science (2006), B.S., M.S., Ph.D. (Brown University)

LAWRENCE, SHAWN, MSW Program Coordinator and Associate Professor of Social Work (2006), B.S., M.S.W., Ph.D., L.C.S.W. (University of New York at Buffalo)

LAWTHER, WENDELL C., Assistant Professor of Hospitality Management (2004), B.S., M.S.N., Ph.D. (University of Central Florida)

LEADER, PAUL, John F. Butler Director of Debate and Instructor of Communication Theatre (2013), B.A., M.A. (Eastern New Mexico University)

LEAVENS, GARY T., Professor, Chair of the Department of Computer Science (2007), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

LEBOWITZ, DAVID, Associate Professor of Medicine (2016), M.D., M.S. (Mount Sinai School of Medicine)

LEDESMA, NORMA, Instructor of Spanish (2011), B.A., M.A. (University of Central Florida)

LEE, GENE C. H., Associate Professor of Industrial Engineering (1985), B.E., M.S., M.S.I.E., Ph.D. (Texas Tech University)

LEE, JI-EUN, Assistant Professor of Hospitality Management (2010), B.S., M.S. (Purdue University)

LEE, JUNHO, Associate Professor of Civil, Environmental, and Construction Engineering (2013), B.S., M.S., Ph.D. (University of Colorado)

LEGION-RODRIGUEZ, TAMRA, Lecturer of Chemistry (2015), B.S. (University of Central Florida)

LEHIGH, JAMES, Associate Professor of Military Science (2011), B.S. (Eastern Kentucky University)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Degree(s)</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neer, Sandra</td>
<td>Research Assistant Professor of Psychology</td>
<td>(2011), B.A., M.A., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Neff, Donna</td>
<td>Director of Research and Associate Professor, College of Nursing and Health Professions</td>
<td>(2013), Ph.D. (Case Western Reserve University)</td>
<td></td>
</tr>
<tr>
<td>Negy, Charles</td>
<td>Associate Professor, Chair and Associate Professor of Writing and Rhetoric</td>
<td>(1999), B.A., M.S., Ph.D. (Texas A&amp;M University)</td>
<td></td>
</tr>
<tr>
<td>Neidle, Mark</td>
<td>Associate Professor of Psychology</td>
<td>(2011), Ph.D. (State University of New York at Stony Brook)</td>
<td></td>
</tr>
<tr>
<td>Neuberger, Lindsay</td>
<td>Assistant Professor of Communication</td>
<td>(2011), B.A., M.A., Ph.D. (Michigan State University)</td>
<td></td>
</tr>
<tr>
<td>Neupe, Mabab</td>
<td>Assistant Professor of Physics</td>
<td>(2015), Ph.D. (Boston College)</td>
<td></td>
</tr>
<tr>
<td>Nevels, Andrew</td>
<td>Associate Professor of Mathematics</td>
<td>(2008), B.S., M.A., Ph.D. (University of California, Los Angeles)</td>
<td></td>
</tr>
<tr>
<td>Nguyen, Vu</td>
<td>Visiting Instructor of Statistics</td>
<td>(2015), M.S. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Ni, Jian</td>
<td>Associate Professor of Statistics, Secondary Joint Associate Professor of the National Center for Forensic Science</td>
<td>(2003), B.Sc., Ph.D. (University of Minnesota)</td>
<td></td>
</tr>
<tr>
<td>Nichols, Gary</td>
<td>Instructor of Management</td>
<td>(2006), B.S.B.A., M.B.A. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Nicholas, Megan</td>
<td>Visiting Assistant Professor, College of Education &amp; Human Performance</td>
<td>(2015), B.S., M.S., Ph.D. (Illinois State University)</td>
<td></td>
</tr>
<tr>
<td>Nickerson, David</td>
<td>Professor, Professor of Theatre</td>
<td>(1995), M.S., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>Nieus, Kurt</td>
<td>Associate Professor, Professor of Health Informatics &amp; Information Management</td>
<td>(2014), M.S.H.S., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Nnadi, Fidelia</td>
<td>Associate Professor of Civil Engineering, and Construction Engineering, Director of Diversity</td>
<td>(1994), B.Eng., Ph.D. (Queen's University, Canada), P.Eng. (Canada, Florida)</td>
<td></td>
</tr>
<tr>
<td>Noblin, Alice</td>
<td>Program Director and Assistant Professor of Health Informatics &amp; Information Management</td>
<td>(2004), M.B.A., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Noel, Ben</td>
<td>Director, FIEA</td>
<td>(2012), B.S., M.B.A (Rollins College)</td>
<td></td>
</tr>
<tr>
<td>Noll, Justin</td>
<td>Lecturer of SVAD</td>
<td>(2014), B.S.A., M.F.A. (University of New Mexico)</td>
<td></td>
</tr>
<tr>
<td>Noss, Reed</td>
<td>Provost Distinguished Research Professor and Professor of Biology</td>
<td>(2002), B.S., M.S., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>Novatin, Daniel</td>
<td>Instructor of SVAD</td>
<td>(2008), B.A., M.S., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Nutta, Joyce</td>
<td>Professor, College of Education &amp; Human Performance</td>
<td>(2002), B.A., M.A., Ph.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Nwakana, Obi</td>
<td>Assistant Professor of English</td>
<td>(2011), B.A., M.A., Ph.D. (St. Louis University)</td>
<td></td>
</tr>
<tr>
<td>Oetjen, Dawn</td>
<td>Associate Dean and Professor of Health Management &amp; Informatics</td>
<td>(1999), B.S., M.S., Ph.D. (University of Arizona)</td>
<td></td>
</tr>
<tr>
<td>Oetjen, Reid</td>
<td>Associate Professor Chair in Health Management and Informatics</td>
<td>(2008), B.A., M.S., Ph.D. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Oh, Jong-Min</td>
<td>Assistant Professor of Finance</td>
<td>(2015), B.A., M.S., Ph.D. (University of Texas at Dallas)</td>
<td></td>
</tr>
<tr>
<td>Olen, Elyse</td>
<td>Assistant Professor, College of Education &amp; Human Performance</td>
<td>(2008), B.A., M.A., Ph.D. (Pennsylvania State University)</td>
<td></td>
</tr>
<tr>
<td>Olcese, Nicole</td>
<td>Assistant Professor of Education &amp; Human Performance</td>
<td>(2019), B.A., M.S., Ph.D. (Pennsylvania State University)</td>
<td></td>
</tr>
<tr>
<td>Olds, Christopher</td>
<td>Visiting Assistant Professor of Political Science</td>
<td>(2015), Ph.D. (Texas A&amp;M University)</td>
<td></td>
</tr>
<tr>
<td>Oliveira, Leonardo</td>
<td>Assistant Professor of International and Sports Medicine</td>
<td>(2011), M.D. (Universidade Federal do Rio de Janeiro)</td>
<td></td>
</tr>
<tr>
<td>Oliver, Kathleen M.</td>
<td>Associate Professor of English</td>
<td>(2003), M.A., Ph.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Oloff, Amr</td>
<td>Professor, Civil, Environmental, and Construction Engineering</td>
<td>(1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)</td>
<td></td>
</tr>
<tr>
<td>O'Neal, Thomas P., Associate V.P. for Research &amp; Commercialization, and Associate Professor of Management</td>
<td>(2007), B.S., M.B.A., M.B.A., Ph.D. (University of Central Florida)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orlovskaya, Nina</td>
<td>Associate Professor of Mechanical and Aerospace Engineering</td>
<td>(2006), M.S., Ph.D. (Ukrainian Academy of Science)</td>
<td></td>
</tr>
<tr>
<td>Orooji, Ali</td>
<td>Associate Professor of Computer Science</td>
<td>(1984), B.S., M.S., Ph.D. (Ohio State University)</td>
<td></td>
</tr>
<tr>
<td>Ortiz, S. Enrique</td>
<td>Associate Professor, College of Education &amp; Human Performance</td>
<td>(1989), B.A., M.A., Ed.D. (Louisiana State University)</td>
<td></td>
</tr>
<tr>
<td>Oshea, Deirdre</td>
<td>Instructor of History</td>
<td>(2007), B.A., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Ovalle, Melba</td>
<td>Associate Professor of Internal Medicine</td>
<td>(2013), M.D. (Boston University)</td>
<td></td>
</tr>
<tr>
<td>Owens, Lindee</td>
<td>Associate Instructor of SVAD</td>
<td>(2011), M.D. (University of Michigan)</td>
<td></td>
</tr>
<tr>
<td>Pae, Robert E.</td>
<td>Professor of Physics</td>
<td>(2001), B.A., M.S., Ph.D. (Cornell University)</td>
<td></td>
</tr>
<tr>
<td>Page, Michael</td>
<td>Professor of Economics</td>
<td>(2005), B.A., M.S., A.M., Ph.D. (Stanford University)</td>
<td></td>
</tr>
<tr>
<td>Padian, Patrick</td>
<td>Program Director and Clinical Associate Professor of History</td>
<td>(2008), B.S., D.P.T. (University of St. Augustine)</td>
<td></td>
</tr>
<tr>
<td>Pain, Victoria</td>
<td>Lecturer of Psychology</td>
<td>(2013), B.A., M.A., Ph.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Page, Mary</td>
<td>Associate Director for Collections &amp; Technical Services</td>
<td>(2013), B.S., M.L.S. (Rutgers University)</td>
<td></td>
</tr>
<tr>
<td>Sadeshna, Pal</td>
<td>Professor of Mechanical and Aerospace Engineering</td>
<td>(2012), B.Tech., M.Tech., Ph.D. (Michigan State University)</td>
<td></td>
</tr>
<tr>
<td>Paoline, Eugene</td>
<td>Graduate Program Director and Professor of Criminal Justice</td>
<td>(2001), B.A., M.S., M.A., Ph.D. (State University of New York at Albany)</td>
<td></td>
</tr>
<tr>
<td>Pape, Michael</td>
<td>Professor of History and Lecturer in Management</td>
<td>(2015), B.S., M.B.A., Ph.D. (Purdue University)</td>
<td></td>
</tr>
<tr>
<td>Park, Chung</td>
<td>Assistant Professor of Music</td>
<td>(2016), B.M., M.M., D.M.A. (University of Miami)</td>
<td></td>
</tr>
<tr>
<td>Park, Hyung Sam</td>
<td>Lecturer of Sociology</td>
<td>(2016), B.A., M.A., Ph.D. (University of Pittsburgh)</td>
<td></td>
</tr>
<tr>
<td>Park, Jeong-Yeol</td>
<td>Assistant Professor of Hospitality Management</td>
<td>(2014), Ph.D. (Purdue University)</td>
<td></td>
</tr>
<tr>
<td>Park, Shelley M.</td>
<td>Associate Professor of Philosophy and Humanities</td>
<td>(1990), B.A., M.A., Ph.D. (University of Pittsburgh)</td>
<td></td>
</tr>
<tr>
<td>Pastorescu, Matei</td>
<td>Associate Professor of Chemistry and Special Assistant Professor of Chemistry</td>
<td>(2000), B.S., Ph.D. (University of Louisville)</td>
<td></td>
</tr>
<tr>
<td>Parks, Griffith</td>
<td>Professor and Director of Burnett School of Biomedical Sciences</td>
<td>(2014), Ph.D. (University of Wisconsin-Madison)</td>
<td></td>
</tr>
<tr>
<td>Parra, Marisol</td>
<td>Lecturer of Psychology</td>
<td>(2013), B.A., M.A., Ph.D. (Florida Atlantic University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Partha Sarathy, Sambath</td>
<td>Professor and Associate Dean for Research</td>
<td>(2011), Ph.D. (Indian Institute of Science)</td>
<td></td>
</tr>
<tr>
<td>Pasarica, Magdalena</td>
<td>Associate Professor of Medicine</td>
<td>(2014), Ph.D. (Wayne State University), M.D. (University of Medicine and Pharmacy Carol Davila)</td>
<td></td>
</tr>
<tr>
<td>Patino-Marin, Pedro</td>
<td>Assistant Chair and Associate Lecturer of Chemistry, and Undergraduate Coordinator</td>
<td>(2006), B.S., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>Pattanaik, Sumanta</td>
<td>Associate Professor of Computer Science</td>
<td>(2001), B.S., M.S., Ph.D. (Birla Institute of Science and Technology)</td>
<td></td>
</tr>
<tr>
<td>Paulson, Daniel</td>
<td>Assistant Professor of Psychology</td>
<td>(2013), B.S., M.A., Ph.D. (Wayne State University)</td>
<td></td>
</tr>
<tr>
<td>Paulson, Joyce</td>
<td>Assistant Professor of Biological Sciences</td>
<td>(2011), M.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Payne, Andrew</td>
<td>Professor of Anatomy</td>
<td>(2013), B.S., M.S., Ph.D. (University of California, San Francisco)</td>
<td></td>
</tr>
<tr>
<td>Peck, Jennifer</td>
<td>Assistant Professor of Criminal Justice</td>
<td>(2010), B.A., M.A., Ph.D. (University of South Florida)</td>
<td></td>
</tr>
<tr>
<td>Peles, Yoav</td>
<td>Professor of Mechanical and Aerospace Engineering</td>
<td>(2014), B.S., M.S., Ph.D. (Technion - Israel Institute of Technology)</td>
<td></td>
</tr>
<tr>
<td>Pelli, Moshe</td>
<td>Abe and Tessim House endowed Professor of Judaic Studies and Professor, Judaic Studies Program</td>
<td>(1985), B.S., Ph.D. (The Dropsie College)</td>
<td></td>
</tr>
<tr>
<td>Pensky, Maria</td>
<td>Professor of Mathematics</td>
<td>(1995), B.Sc., M.Sc., Ph.D. (Moscow State University)</td>
<td></td>
</tr>
<tr>
<td>Peller, Richard</td>
<td>Associate Dean of Faculty and Academic Affairs, and Professor of Anthropology</td>
<td>(2013), B.A., Ph.D. (University of Kansas)</td>
<td></td>
</tr>
<tr>
<td>Perez, Jonathan</td>
<td>Assistant Professor of SVAD</td>
<td>(2015), B.F.A., M.F.A. (Syracuse University)</td>
<td></td>
</tr>
<tr>
<td>Perez, Manuel</td>
<td>Assistant Professor of Nanoscience Technology and Secondary Joint Associate Professor of Chemistry and Medicine</td>
<td>(2005), B.S., M.S., Ph.D. (Boston University)</td>
<td></td>
</tr>
<tr>
<td>Perron, Gina</td>
<td>Instructor of Communication</td>
<td>(2010), B.S., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Peters, Philip</td>
<td>Professor of SVAD</td>
<td>(2003), B.A., M.F.A. (University of Montevallo)</td>
<td></td>
</tr>
<tr>
<td>Peterson, Lisa</td>
<td>Associate Instructor of SVAD</td>
<td>(2012), B.A., M.A. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Phanstiel, Otto</td>
<td>Professor of Medical Education and Secondary Joint Associate Professor of Chemistry</td>
<td>(1995), Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>Phikor, Johnny L., Professor of Music</td>
<td>(2004), B.Mus., M.M, D.M.A. (University of Illinois)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phlpotts, Harvey</td>
<td>Chair and Professor of English</td>
<td>(2015), B.A., M.A., Ph.D. (University of Delaware)</td>
<td></td>
</tr>
<tr>
<td>Piasick, Jeanette</td>
<td>Assistant Librarian</td>
<td>(1995), B.S., M.L.S. (Kent State University)</td>
<td></td>
</tr>
<tr>
<td>Piccol, Ronald F</td>
<td>Professor of Management</td>
<td>(2016), B.S., M.B.A., Ph.D. (University of Florida)</td>
<td></td>
</tr>
<tr>
<td>Pinella, Yovan</td>
<td>Associate Professor of History</td>
<td>(2010), B.A., M.A., Ph.D. (University of California at Los Angeles)</td>
<td></td>
</tr>
<tr>
<td>Pinkert, Laurie</td>
<td>Assistant Professor of Writing &amp; Rhetoric</td>
<td>(2015), B.A., M.A., Ph.D. (Purdue University)</td>
<td></td>
</tr>
<tr>
<td>Plant, Jennifer</td>
<td>Instructor of Athletic Training</td>
<td>(2010), B.S., M.S. Ed (Old Dominion University)</td>
<td></td>
</tr>
<tr>
<td>Plemmons, W. Roderick</td>
<td>Instructor of Mathematics and Coordinator of Mathematics Assistance and Learning Lab</td>
<td>(2011), B.S., B.S.E., M.S. (University of Central Florida)</td>
<td></td>
</tr>
<tr>
<td>Pondexter, Carla</td>
<td>Professor of SVAD</td>
<td>(2000), B.F.A., M.F.A. (Texas Tech University)</td>
<td></td>
</tr>
</tbody>
</table>
POISSANT, DAVID, Assistant Professor of English (2011), B.A., M.F.A (University of Cincinnati)

POLLOCK, PHILIP H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)

POMERLEAU, JULIE, Associate Instructor, Ph.D. (2003), B.A.S. (University of Barcelona, Spain)

POPMOS, MELISSA, Instructor of Writing & Rhetoric (2015), B.A., M.A. (University of Central Florida)

PORCHIA, DONALD, Lecturer of Mathematics and Coordinator of Math Assistants and Learning Lab (2012), M.S. (University of Central Florida)

PORTER, ROBERT L., Associate Instructor (2010), B.S.E, M.B.A, Ph.D. (University of Central Florida)

POULTER, THOMAS, Associate Professor of Music (2005), B.M., M.M. (Indiana University)

POWELL, JONATHAN M., Assistant Professor of Political Science (2014), B.A., Ph.D. (University of Kentucky)

POZEMSKI, ELIZABETH, Assistant Professor of Accounting (2015), Ph.D. (University of Illinois)

PRAVER, MART, CAROLINE, Lecturer and Coordinator, College of Education & Human Performance (2007), B.S., M.A., Ph.D. (University of Central Florida)

PRICE, MARK, Professor of SWAD (2004), B.F.A., M.F.A. (University of Illinois at Urbana-Champaign)

PRITCHARD, ADAM, Assistant Professor of Sociology (2012), B.A., M.A., Ph.D. (University of Kentucky)

PROCTOR, MICHAEL D., Associate Professor of Engineering (1994), B.S., M.S., Ph.D. (North Carolina State)

PRUCHA, ANNE, Associate Instructor of Spanish (2000), B.A., M.A. (University of Kansas)

PUGH, TISON, Professor of English (2000), B.A., M.A., M. Ed, Ph.D. (University of Oregon)

PURMENSKY, KERRY, Associate Professor of TESOL (2003), B.A., M.S., Ph.D. (Southern Illinois University)

PUTNAM, SHAWN, Assistant Professor of Mechanical and Aerospace Engineering (2012), B.S., Ph.D. (University of Illinois at Urbana-Champaign)

QI, GUO-JUN, Assistant Professor of Computer Science (2003), B.S., B.E., Ph.D. (University of Illinois at Urbana-Champaign)

QI, YUANWEI, Assistant Professor of English (2017), B.A., M.A., Ph.D. (University of Florida)

REED, DAVID, Assistant Professor of Theatre (2010), B.A., M.A., M.F.A (Baylor University)

REEDY, ROBERT T., Professor of Social Work (1993), B.F.A., M.F.A. (University of Mississippi)

REGALLA, MICHELE, Assistant Professor of College of Education & Human Performance (2013), B.A., Ph.D. (University of Florida)

REID, MICHAEL, Associate Professor of Mathematics (2001), B.A., Ph.D. (Brown University)

REILLY, CHARLES H., Associate Dean for Academic Affairs, Professor of Industrial Engineering and Management (2016), B.A., M.S.I.E., Ph.D. (Purdue University)

REINHART, DEBRA R., Professor of Engineering, Assistant VP for Research and Commercialization (1989), B.S.E, M.S., Ph.D. (Georgia Institute of Technology, P.E. (Florida, Georgia)

REINKE, JEFFREY F., Assistant Director, School of Accounting, and Lecturer of Accounting (2013), B.S., M.B.A., Ph.D. (University of Central Florida)

RENK, KIMBERLY, Associate Professor of Psychology (2000), B.A., M.A., Ph.D. (University of South Florida)

RENSHAW, C. KYLIE, Assistant Professor of Optics & Photonics (2015), M.S. (University of Michigan)

RESCH, PETER M., Lecturer of International Business (2010), B.B.A., M.B.A., Ph.D. (Ramon Llull University, Spain)

RESNICK, PAMELA, Associate Professor of Finance, Professor and Al and Nancy Burnett Eminent Scholar of Accounting (2005), B.A., M.A., Ph.D. (University of Michigan)

RICHARDS, KATHLEEN, Professor of Optics and Secondary Joint Professor Materials Science and Engineering (2012), Ph.D. (Alfred University)

RICHARDSON, MARTIN, Professor of Optics & Photonics, Secondary Joint Professor of Physics, and Electrical and Computer Engineering (1990), B.A., M.S., Ph.D. (University of Central Florida)

RINGFIELD, MELISSA, Instructor of Writing & Rhetoric (2011), B.A., M.A. (University of Central Florida)

RITTEN, ANGELA, Associate Professor of Nursing (2010), F.N.P.B.C., A.R.N.P., M.S.N., D.N.P. (University of Central Florida)

RIVERA, FERNANDO, Associate Chair and Associate Professor of Sociology (2005), B.A., M.A., Ph.D. (University of Nebraska)

RIVERA, MANUEL, Associate Professor of Hospitality Management (2011), B.A., M.S., Ph.D. (University of Central Florida)

RIVERS, KENYATTA O., Associate Professor of Communication Sciences and Disorders (2015), B.S., M.A., Ph.D. (University of Florida)

ROH, HEE JUNG, Assistant Professor of Hospitality Management (2007), B.S., M.A., (University of Illinois)

ROBERTS, ROBIN W., Professor of Accounting (2003), B. A., M.A., Ph.D. (University of Michigan)

ROBB, SEAN W., Associate Professor of Accounting (2005), B.A., B.A. (University of Michigan)

ROCHE, ALBERT, Jr., Professor of Accounting (1994), B.S., M.S., Ph.D. (University of Central Florida)

ROSEN, SHERRON KILLINGSWORTH, Professor, College of Education & Human Performance (1987), B.S., Ed. M., Ed.D. (University of Arkansas)

ROBINSON, SANDRA L., Professor of Accounting (1997), B.A., M.Ed., Ph.D. (University of Arkansas)

ROBINSON, H. MIKE, Professor, College of Education & Human Performance (2014), M.P.P., M.S. (George Mason University)

ROBINSON, MEREDITH, Instructor of Hospitality Management and Informatics (2014), M.P.P., M.S. (George Washington University)

ROBB, SEAN W., Associate Professor of Accounting (2005), B.A., B.A. (University of Michigan)

ROBB, SEAN W., Associate Professor of Accounting (2005), B.A., B.A. (University of Michigan)

ROCKMORE, B. WAYNE, Lecturer of Management (2001), B.B.A., M.A., Ph.D. (University of Arkansas)

RODRIGUEZ, CRUZ, Ramon, Professor, Internal Medicine (2015), M.D. (University of Puerto Rico, M.S.C)

RODGERS-MILANES, CECILIA Y., Associate Professor of English (1999), B.A., M.A., Ph.D. (University of California, Berkeley)

ROGERS, MELVIN, Associate Dean and Instructor of Public Administration (1996), B.S., M.P.A. (University of Nebraska)
THOMAS, AARON C., Assistant Professor of Theatre (2011), B.A., M.A., Ph.D. (Florida State University)

THOMAS, JAYAN, Assistant Professor of Nanoscale and Technology and Secondary Joint Assistant Professor of Materials Science and Engineering (2011), Ph.D. (Cochin University of Science and Technology)

THOMAS, PAMELA S., Instructor of Biology (2006), B.S., M.S. (University of Central Florida)

THOMPSON, BRENDA, Faculty Administrator, College of Education & Human Performance (2000), Ph.D. (University of Florida)

THOMPSON, WILLIAM J., Undergraduate Coordinator, Associate Professor of Engineering (1990), B.S., M.S.E., Ph.D. (Arizona State University), P.E. (Florida)

THORNTON, ROBERT, Associate Instructor of Music (2003), B.M.M. (Indiana University)

TINGO-ARANJUEZ, JUSTINE, Assistant Professor (2015), Ph.D. (Case Western Reserve University)

TRENTA, SHANE, Associate Professor of Communication Sciences and Disorders (2011), B.A., M.A., Ph.D. (Tulane University)

TREVOR, ANCA, Lecturer of Political Science (2010), B.A., M.A., Ph.D. (University of Bucharest)

FACULTY
VODOPYANOV, KONSTANTIN, 21st Century Scholar Chair, Professor of Optical Engineering, and Second Joint Professor of Physics (2013), Ph.D., D.Sc. (Lebedev Physical Institute, A. N. Baikov Institute of Metallurgy, Russian Academy of Sciences)

VON HOLLE, MARY B., Associate Professor of Biology (2007), B.S., Ph.D. (University of Tennessee)

VON KALM, LAURENCE H., Associate Chair and Associate Professor of Biology (1996), B.S., Ph.D. (Monash University, Australia)

VOSOUGHI, AZADEH, Associate Professor of Electrical and Computer Engineering (2012), Ph.D. (Cornell University)

VOSS, KIMBERLY W., Associate Professor of Communication Sciences and Disorders (2009), B.A., M.A., Ph.D. (University of Minnesota)

WAESCHE, JESSICA, Lecturer of Psychology (2013), B.A., M.S., Ph.D. (Florida State University)

WAHID, PARVEEN F., Associate Chair, Undergraduate Coordinator, and Professor of Electrical and Computer Engineering (1984), B.S., M.S. Ph.D. (Indian Institute of Technology, M. B. Kelkar)

WALDEN, AMANDA, Instructor of Health Informatics and Information Management (2012), B.A., M.H.S.A., R.H.I.A. (University of Central Florida)

WALKER, EZEKIEL A., Associate Professor of Biology (1999), B.A., M.A., Ph.D. (Michigan State University)

WALTON, JOHN H., Associate Professor of Anthropology (2006), B.A., Ph.D. (University of Pennsylvania)

WALLACE, DANA M., Assistant Professor of Accounting (2013), B.A., M.B.A., Ph.D. (Florida State University)

WALLS, DOUGLAS, Assistant Professor of Writing & Rhetoric (2011), B.A., M.A., Ph.D. (Michigan State University)

WALTERS, CYNTHIA, Instructor, College of Education & Human Performance (2007), B.S., M.A.T. (Aquinas College)

WALTERS, LINDA J., Director for Undergraduate Affairs (Burnett School) (2001), B.A., M.A. (Southern Nazarene University)

WALLS, DOUGLAS, Associate Professor of History, and Professor of Criminal Justice (1996), B.A., M.P.H. (University of Arizona)

WANG, LIQIANG, Associate Professor of Computer Science (2015), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

WANG, MORGAN CHUNG-CHING, Professor of Statistics (1985), B.S., M.S., Ph.D. (Iowa State University)

WANG, QINGHAI, Richard T. Croddy County Endowed Chair and Professor of Finance (2016), B.A., M.A., Ph.D. (The Ohio State University)

WANG, TANG, Assistant Professor of Management (2014), B.S., M.S., Ph.D. (University of Mississippi, Kansas City)

WANG, WEI, Assistant Professor of Psychology (2010), Ph.D. (University of Illinois at Urbana-Champaign)

WANG, YOUNGCHUL, Associate Dean of Academic Affairs and Research, Professor of Hospitality Management (2003), M.A., O.P., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

WANG, ZEI, Assistant Professor of Marketing (2010), B.B.A., Ph.D. (Kansas University)

WARFIELD, SCOTT, Associate Professor of Music (2002), B.M.E., Ph.D. (University of North Carolina at Chapel Hill)

WARING, SCOTT, Associate Professor, College of Education & Human Performance (2003), B.S., M.A., Ph.D. (University of Virginia)

WÄKTINS, R. CORY, Undergraduate Program Director, Internship Coordinator, and Associate Professor of Criminal Justice (1998), B.S., M.S., Ph.D. (University of Central Florida)

WATSON, KERI, Assistant Professor of SVAD (2014), B.A., M.M., Ph.D. (Florida State University)

WEAVER, DEBORAH, Associate Instructor of Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

WEAVER, EARL D., Associate Professor of Theatre (2003), B.A., M.F.A. (University of California, Irvine)


WEBSTER, DANIELLE, Lecturer of Health Sciences (2012), Ph.D. (University of Georgia)

WEEKS, ARTHUR, Associate Professor of Electrical and Computer Engineering (2003), B.S., M.S., Ph.D. (University of Central Florida)

WEBER, HARRY, Associate Professor of Computer Science and Graduate Coordinator (2000), B.A., M.A., Ph.D. (University of Arizona)

WEI, LEI, Associate Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of South Australia)

WEI, WEI, Assistant Professor of Hospitality Management (2014), Ph.D. (Purdue University)

WEIGEL, GREGORY, Instructor (2000), B.S., M.S., Ph.D. (University of Central Florida)

WEINLAND, JEFF, Lecturer of Hospitality Management (2015), B.S., M.S., Ph.D. (University of Central Florida)

WEINLAND, JEFF, Lecturer of Hospitality Management (2015), B.S., M.S., Ph.D. (University of Central Florida)

WEINEIN, DAVID, Assistant Professor of Internal Medicine (2015), M.D. (University of Florida)

WEISBERG, DEBORAH, Instructor of Hospitality Management (2016), B.S., M.S., Ph.D. (State University of New York at Stony Brook)

WELCH, GREGORY, Professor, College of Nursing (2013), B.A., M.S., Ph.D. (University of North Carolina at Chapel Hill)


WEREMCHUK, GEORGE, Associate Professor of History (1996), B.M., M.M., D.M.A. (University of Miami)

WESSEL, PHILIP, Program Director of Health Services Administration and Instructor of Health Management and Informatics (1987), Ph.D. (Baylor University)

WEST, LAWRENCE, Associate Professor in Health Management & Administration (1996), B.A., M.B.A., Ph.D. (Texas A&M University)

WHARTON, TRACY, Assistant Professor of Social Work (2014), B.A., M.Ed., M.S.C., M.S.W. Ph.D. (University of Alabama)

WHITZER, SANDRA, Lecturer of Anthropology (2011), Ph.D. (University of Western Ontario)

WHEELED, STEPHANIE, Assistant Professor of Writing & Rhetoric (2015), B.A., M.A., Ph.D. (Texas A&M University)

WHITE, GRACE, Lecturer of Psychology (1999), B.A. (University of Iowa)

WHITE, JOSIE, Associate Professor, College of Nursing (2003), B.S.N., Ph.D. (University of Florida)

WHITE, ROSEANN S., Professor Emerita, and Associate Director of Undergraduate Affairs (Burnett School) (1990), Ph.D. (University of Texas, Southwestern Medical School)

WHITEMAN, JOANN, Associate Lecturer, College of Education & Human Performance (2003), B.A., M.A., Ed.D. (University of Central Florida)

WHITESIDE, JANET, Associate Lecturer and Clinical Educator of Communication Sciences and Disorders (2001), B.A., M.A., Ph.D. (Indiana University)

WHITHEY, STEVEN, Assistant Professor of Management (2013), B.S., M.S., PhD. (University of California, Berkeley)

WHITMER, SHARON, Assistant Professor of Medicine (2016), B.A., M.B.A., Ph.D. (Indiana University - Bloomington)

WOOD, ROBERT, Associate Professor of Legal Studies (2003), B.F.A., M.A., J.D. (Tulane University)

WOOD, VANDY, Associate Professor of Theatre (2003), B.F.A., M.F.A. (University of North Carolina, Greensboro)

WOODWORTH, DEBORAH, Instructor of Criminal Justice (2010), B.A., M.A., Ph.D. (University of Central Florida)

WOORKAN, KARISA K., Associate Instructor of Communication (1999), B.A., M.A. (Southern Nazarene University)

WORTH, RALPH, Assistant Professor of Philosophy (1976), B.A., R.T., B.S., M.P.H. (University of Central Florida)

WORTHY, GRAHAM A. J., Chair, Provost Distinguished Research Professor, Hubert Professor of Marine Mammalogy, and Professor of Biology (2001), B.S., M.S., Ph.D. (University of Guelph, Canada)

WRIGHT, CHRYSALIS, Lecturer of Psychology (2011), Ph.D. (Florida International University)
WRIGHT, JAMES D., Provost Distinguished Research Professor, Professor of Sociology, and University Pegasus Professor (2001), B.A., M.S., Ph.D. (University of Wisconsin-Madison) B.A., M.A. (Southern Illinois University)

WRIGHT, JEFFREY, T., Instructor of Writing & Rhetoric (2011), B.A., M.A. (Southern Illinois University)

WU, ANNIE S., Associate Professor of Computer Science (1999), B.S.E., M.S.E., Ph.D. (University of Michigan)

WU, SHIN-SON, Pegasus Professor of Optics & Photonics and ECS (2001), Ph.D. (University of Southern California)

WU, THOMAS X., Associate Professor of Electrical and Computer Engineering (1999), B.S., M.S., Ph.D. (University of Pennsylvania)

WYATT, MARY E., Associate Professor of SVAD (1999), B.A., M.F.A. (Florida State University)

XANTHOPOULOS, PETROS, Associate Professor of Industrial Engineering (2001), B.S., M.S., Ph.D. (University of Florida)

XU, LIHUA, Instructor/Coordinator, College of Education & Human Performance (2010), B.A., M.A., Ph.D. (Oklahoma State University)

XU, YUNJUN, Associate Professor of Mechanical and Aerospace Engineering (2008), B.S., M.S., Ph.D. (University of Florida)

YAN, XIN, Professor of Statistics (2011), B.S., M.S., Ph.D. (University of California, Davis)

YANG, YUEHAI, Visiting Lecturer of Physics (2015), Ph.D. (Florida International University)

YAYLA-KULLU, MUGE, Associate Professor of Marketing (2010), B.S., M.S., Ph.D. (University of North Carolina at Chapel Hill)

YEGIDIS, BONNIE, Director of School of Social Work and Professor of Social Work (2013), B.A., M.S.W., Ph.D. (University of South Florida)

YESTREBSKY, CHERIE L., Interim Chair and Professor of Chemistry (1999), B.S., Ph.D. (University of South Florida)

YONETANI, AYAKO, Professor of Music (1993), B.M., M.M., D.M.A. (Juilliard School of Music)


YOUNG, MARK, Professor, College of Education & Human Performance (1999), B.A., M.S., Ph.D. (Ohio University)

YOUNG, MEGAN, Assistant Professor of Public Administration (2015), B.S., M.S.U.R.P., Ph.D. (Texas A&M University)

YU, CHIA-YUAN, Assistant Professor of Electrical and Computer Engineering (2002), B.S.E., M.S.E., Ph.D. (University of Florida)

YUAN, JIANN S., Professor of Electrical and Computer Engineering (2008), B.S., M.S., Ph.D. (University of California, San Diego)

YUAN, JYU, Assistant Professor of Chemistry (2012), Ph.D. (Princeton University)

YUN, HAE-BUM, Assistant Professor of Civil, Environmental, and Construction Engineering (2010), B.S., M.S., Ph.D. (University of Southern California)

ZAHN, MARGARET, Associate Professor of SVAD (2005), B.A., M.A., Ph.D. (University of Washington)

ZAMAN, WIDAD, Lecturer of Psychology (2013), Ph.D. (Emory University)

ZAVATARO, STACI, Associate Professor of Public Administration (2015), B.S., Ph.D. (Florida Atlantic University)

ZAYAT, VANIA, Assistant Professor of Computer Science (2012), M.D. (Kauno Medicinos Universitetas)

ZEMLIANSKY, PAVEL, Professor of Optics & Photonics and Physics (1994), D.Sc. (Lepedev Physics Institute)

ZHAO, JIHE, Associate Professor of Statistical Science and Engineering (2015), B.S., M.S., M.S.C.E., Ph.D. (University of Central Florida)

ZHENG, QIPENG, Assistant Professor of Electrical and Computer Engineering (2015), B.S., M.S., Ph.D. (University of Florida)

Zhong, Shangjie, Associate Professor of Computer Science (2007), B.S., M.S., Ph.D. (University of California, San Diego)

Zhang, Shunpu, Chair and Professor of Statistics (2010), Ph.D. (University of Alberta)

Zhang, Teng, Assistant Professor of Mathematics (2015), Ph.D. (University of Minnesota)

Zhang, Xiaodi, Assistant Professor of Finance (2010), B.E., M.A., Ph.D. (University of Utah)

Zhang, Ying, Associate Librarian (1990), B.A., M.A.L.I.S. (University of South Florida)

Zhao, Jihe, Associate Professor of Computer Science (2010), Ph.D. (Tohoku University)

Zhao, Yue, Professor of Mathematics (1999), B.S., M.S., Ph.D. (Ohio State University)

Zhou, Cliff, Associate Professor of Computer Science (2005), B.S., M.S., Ph.D. (University of Massachusetts)

Zhou, Shengli, Associate Professor of Chemistry (2004), B.A., M.S., Ph.D. (Emory University)

Zlatic, Richard, Professor and Chair of Communication Sciences and Disorders (2014), B.A., M.S., Ph.D. (Arizona State University)

Zouris-Coe, Vicky, Professor, College of Education & Human Performance (1999), B.S., M.A. Ph.D. (University of Florida)
FACULTY AND ADMINISTRATION EMERITI

ABBOTT, DAVID W., Professor Emeritus of Psychology (1968), B.A., M.S., Ph.D. (University of Massachusetts)

ADICKS, RICHARD R., Professor Emeritus of English (1991), B.A.E., M.A., Ph.D. (Tulane University)

ANDERSON, HENRY R., Professor Emeritus of Accounting (1983), B.A., M.S., Ph.D. (University of Missouri)

ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)

ARMACOST, ROBERT L., Associate Professor Emeritus of Industrial Engineering (1991), B.S., M.S.O.R., D.Sc. (George Washington University)

ARMSTRONG, LEE H., Associate Professor Emeritus of Mathematics (1968), B.A., M.S., Ph.D. (Florida State University)

BAKER, GRAEME L., Professor Emeritus of English (1968), B.S., M.S., Ph.D. (Montana State University)

BANDY, DALTON D., Chairholder, C.G. Avery Professorship, and Professor Emeritus of Accounting (1985), B.S., M.B.A., Ph.D. (University of Texas)

BARNES, BETH, Vice President Emerita, Office of the President, and Associate Professor of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BASS, MICHAEL, Professor Emeritus of Optics (1988), B.S., M.S., Ph.D. (University of Michigan)

BAUMBACH, DONNA J., Professor Emerita, College of Education & Human Performance (1979), B.S., M.S., Ed.D. (Indiana University)

BISHOP, PATRICA J., Dean Emerita, College of Education & Undergraduate Catalog 2016-2017 567

BLESDOE, ROBERT L., Lecturer and Professor Emeritus of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLOCK, DAVID L., Director Emeritus, Florida Solar Energy Center and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute, P.E. (Florida))

BOLTE, JOHN R., Vice President Emeritus for Administration and Finance (1968), B.A., M.A., M.S., Ph.D. (State University of Iowa)

BORENSH, GLENN, Professor Emeritus of Optics & Photonics (1990), B.S., M.S., Ph.D. (University of Arizona)

BOSE, SUBIR K., ProfessorEmeritus of Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)

BOZEMAN, WILLIAM C., Professor Emeritus, College of Education & Human Performance (1985), B.A., M.Ed., Ph.D. (University of Wisconsin)

BRENNAN, JOHN J., Professor Emeritus of Physics (1969), B.S., M.S., Ph.D. (Georgia Institute of Technology)

BREWER, THOMAS, Professor Emeritus, College of Education & Human Performance (1996), B.A., M.A., Ph.D. (Florida State University)

BRENNER, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)

BROWN, WILLIAM, Professor Emeritus of Sociology (1972), Ph.D. (Purdue University)

BURROUGHS, WAYNE A., Professor Emeritus of Psychology (1989), B.S., M.A., Ph.D. (University of Tennessee)

CALLARMA, WILLIAM G., Associate Professor Emeritus of Management (2000), B.A., M.A., Ph.D. (University of Denver)

CARRILL, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D., (University of Illinois), P.E. (California, Florida and Illinois)

CARMICHAEL, TRISTRAM, President Emeritus, Emeritus of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1979), B.A., A.M., M.A., Ph.D. (Johns Hopkins University)

COMISH, NEWEL W., Professor Emeritus of Mechanical Engineering (1968), B.S., M.S., Ph.D. (Ohio State University)

CORNELL, RICHARD, Professor Emeritus of College of Education & Human Performance (1969), B.S., M.S., Ed.D (Nova University)

CORNELL, RICHARD C., Professor Emeritus of History (1972), B.S.M., Ph.D. (Florida State University)

CUNNINGHAM, GLENN N., Professor Emeritus of Chemistry (1969), B.S., M.S., Ph.D. (North Carolina State University)

DAVIS, DUANE L., Professor Emeritus of Marketing (1978), B.S., M.B.A., D.B.A. (University of Kentucky)

DAVIS, ROBERT, Professor Emeritus of Communication (1970), Ph.D. (Ohio State University)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology (1970), B.S.E.E., M.S., Ed.D (University of Georgia, P.E. (Florida))

DUTTON, RONALD D., Professor Emeritus, Computer Science and Mathematics (1972), B.S., M.S., Ph.D. (Washington State University)


EHRHART, LLEWELLYN M., Pegasus Professor and Professor Emeritus of Biology (1969), A.B., Ph.D. (Cornell University)

ELLIS, LESLIE L., Professor Emeritus of Biology (1968), B.S., M.S., Ph.D. (University of Oklahoma)

ESLER, WILLIAM K., Professor Emeritus, College of Education & Human Performance (1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University)

EVANS, ERIC W., Professor Emeritus of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University)

FEDLER, FREDERICK E., Professor Emeritus of Communication (1971), B.S., M.A., Ph.D. (University of Minnesota)

FLICK, ROBERT G., Professor Emeritus of Humanities (1983), B.S., M.A., Ph.D. (University of Florida)

FORD, ROBERT C., Professor Emeritus of Psychology (1993), B.A., M.A., Ph.D. (Florida State University)

FRANCIS, MADISON KE, Professor Emeritus of Sculpture (1996), B.F.A. (Cleveland Institute of Art)

FREDERICK, TERRY J., Professor Emeritus of Engineering (1981), B.S., M.S., Ph.D. (University of Florida)

GRIFFITH, HAROLD L., Professor Emeritus of Engineering Technology (1972), B.S., M.S., (Pennsylvania State University), P.E. (Florida)


HARS, ALFRED G., Vice President Emeritus, Strategic Marketing, Communications, and Admissions (1981), B.S., M.S. (Texas A&M University)

HICKEY, TERRY L., Provost and Executive Vice President Emeritus, and Professor Emeritus of Psychology (2003), B.A., M.A., Ph.D. (University of Miami)

HOSNI, DJEHANE, Associate Professor Emeritus of Economics (1977), B.A., M.A., Ph.D. (University of Arizona)

HOSNI, YASSEER A., Professor Emeritus of Industrial Engineering (1976), B.S.M.E., M.S., Ph.D. (University of California, P.E. (Florida))


HUTSON, PHYLLIS J., University Emeritus of Dentistry (1985), B.A., M.S., Ph.D. (University of Illinois)

HYNES, MICHAEL C., Professor Emeritus, and Director, College of Education & Human Performance (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)

ISMAIL, MOURAD, Professor Emeritus of Mathematics (2003), Ph.D. (University of Alberta)

JOELS, ROSIE WEBB, Professor Emerita, College of Education & Human Performance (1978), B.A., M.Ed., Ph.D. (University of Arizona)

JOHNSON, WILLIAM H., Professor Emeritus of College of Education & Human Performance (1986), B.S., M.Ed., Ph.D. (Kent State University)

JONES JR., HALSYE R., Professor Emeritus of Management (1982), B.S., M.S., Ph.D. (Pennsylvania State University)

JUGE, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Arkansas)


KERSTEN, ROBERT B., Dean Emeritus and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Northwestern University, P.E. (Florida, and Oklahoma)

KUEHN, DAVID T., Professor Emeritus of Biology (1970), B.S., M.S., Ph.D. (Arizona State University)

KUO, SHIU-SAN, Professor Emeritus of Civil, Environmental, and Construction Engineering (1981), B.S., M.S., Ph.D. (Michigan State University), P.E. (Florida)


LECKIE-REED, SHIRLEY A., Professor Emerita of History (1985), B.A., M.A., Ph.D. (University of Toledo)

LIEBERMAN, LESLIE, Professor Emerita, Anthropology (2001), B.A., M.A., Ph.D. (University of Connecticut)

LILIE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., M.D. (Johns Hopkins University)

LLEWELLYN, RALPH, Professor Emeritus of Physics (1980), B.S., M.S., D.B.A. (Purdue University)

MADDEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)

MACK, MINA A., Emeritus of Industrial Engineering (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)


MATHES, BRUCE E., Professor Emeritus of Engineering (1969), B.S.E.E., M.S.E.E., Ph.D. (University of Florida)


麦凯, 钟云, 院长 Emeritus of Industrial Engineering (1969), B.S., M.S., Ph.D. (Purdue University)

MATTSON, GUY C., Professor Emeritus of Chemistry (1991), B.S., M.S., Ph.D. (University of Florida)

McGEE, WILLIAM W., Professor Emeritus of Forensic Science (1969), B.A., M.S., Ph.D. (University of Florida)

McGUIRE, JOHN, Professor Emeritus of Psychology (1972), Ph.D. (George Peabody College)
McLELLON, WALDRON, Professor Emeritus of Economics (1983), B.A. (Texas A&M University), Ph.D. (Yale University)
PET-ARMACOST, JULIA, Professor Emeritus of Computer Science and Mathematics (1970), B.S., M.S., Ph.D. (Arizona State University)
PHILLIPS, RONALD L., Professor Emeritus of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)
PICKERING, ROY, Professor Emeritus of Music (1979), B.M.E. M.M. (Indiana University)
PLATT, JENNIFER C., Professor Emeritus of Education (1985), B.S., M.S., Ed.D. (West Virginia University)
PRITCHARD, ROBERT D., Professor Emeritus of Psychology (1970), B.S., Ph.D. (University of California, Los Angeles)
PRYOR, ALBERT, Professor Emeritus of Communication (1972), B.A., M.A., Ph.D. (University of Michigan)
PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., A.M., J.D., Ph.D. (University of Florida)
RICHE, SAMUEL M., Professor Emeritus of Electrical and Computer Engineering (2005), B.S.E., M.S.E., Ph.D. (University of Central Florida)
ROHTER, FRANK D., Professor Emeritus of Education & Human Performance (1968), B.S., M.Ed., Ph.D. (University of Southern California)
ROLLINS, JACK B., Professor Emeritus of Psychology (1965), B.S., M.S., Ph.D. (University of North Carolina)
RUBIN, RONALD S., Professor Emeritus of Marketing (1970), B.A., M.A., Ph.D. (University of Massachusetts)
SALTER, JOHN H. III, Chairholder, Emeritus Professor of Communication (1975), B.S., M.S., Ph.D. (Louisiana State University)
SALOHERS, CAROL, Professor Emeritus of Management (2001), B.A., M.B.A., Ph.D. (University of Florida)
SCHIFFHORST, GERALD J., Professor Emeritus of English (1970), B.S., M.A., Ph.D. (Washington University)
SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)
SHOPFNER, JERRELL H., Professor Emeritus of Marketing (1972), B.S., M.S., Ph.D. (Florida State University)
SIMS, LEVESTER, W., Emeritus Professor of Optics and of Physics (1969), B.S., Ph.D. (University of Utah)
SMITH, FRANCES B., Associate Professor Emeritus, College of Nursing (1979), R.N., Ed.D. (Florida State University)
SMITH, HARRY W., JR, Professor Emeritus of Theatre (1965), B.A., M.A., Ph.D. (Tulane University)
SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1972), B.S., Ph.D. (Cornell University)
SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.S.C., Ph.D. (University of North Carolina)
SORG, STEVEN E., Associate Professor Emeritus, College of Education & Human Performance (1979), B.S., M.S., Ph.D. (Florida State University)
STEARMAN, ALLYN M., Professor Emeritus of Anthropology (1967), B.A., M.A., Ph.D. (University of Southern California)
STEIGEMAN, GEORGE, Professor Emeritus of Optics, Physics, and ECE (1990), Ph.D. (University of Toronto)
STROUT, I. JACK, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington State University)
SWEENEY, MICHAEL J., Professor Emeritus of Molecular Biology and Microbiology (1972), B.S., M.A., Ph.D. (University of Florida)
WHITEHEAD, EVE M., Professor Emeritus of Civil, Environmental, and Construction Engineering (2009), B.S.E., M.S.E., Ph.D. (University of Florida)
WOLF, J. GARY, Distinguished Service Professor Emeritus of Music (1972), B.M.Ed., M.M., D.M.A. (Eastman School of Music)
WYCOFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)
YEH, GOUR-TSYH, Professor Emeritus of Civil, Environmental, and Construction Engineering (2005), B.S., M.S., Ph.D. (Cornell University), P.E. (New York, Massachusetts, California, Tennessee, Pennsylvania)
ADMINISTRATIVE OFFICERS AND STAFF

ABNEY, BARBARA COMPTON, Director, Marketing/Communications, Office of Research & Commercialization (1997), B.S. (University of Florida)

ALBANO CARRASCO, RALPH N., Director, Academic Advancement Programs (2000), M.Ed. (DePaul University)

ANDREWS, EDWINNA, Director, Social Justice and Advocacy (2001), B.A., M.A. (University of Central Florida)

BEARY, RICHARD, Associate Vice President for Administration and Finance and Chief of Police (2007), B.A., M.S. (University of Central Florida)

BERSIA, JOHN, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

BINETTE, CHAD, Assistant Vice President, News and Information (2004), B.S., M.A. (Western Illinois University)

BODEN, M. PAIGE, Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1999), B.A., M.B.A., Ed.D. (University of Central Florida)

BOLE, BRIAN, University Registrar (2004), B.S., M.B.A. (University of Wisconsin-Milwaukee)


BRADY, PAMELA A., Director, Student Services, Western Region (1990), B.A. (University of Central Florida)

BURT, PATRICK, Assistant Vice President, Marketing (2005), B.G.D., M.A. (University of Central Florida)

BUTLER, ERIN, Director, First Year Experience (2014), B.S., M.Ed. (University of South Carolina)

CARVER, RENEA, Interim Director, Environmental Health and Safety (2015), B.S., M.A. (University of Central Florida)

CAYNAUGH, PAM, Assistant Vice Provost, Student Services and Advisement, UCF Regional Campuses (2011), B.S., M.A., Ed.D. (University of Central Florida)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHAVIS JR., GORDON D., Associate Vice President, Student Development and Enrollment Services (1999), B.A., J.D. (Georgetown University)

CHEREPOW, SANDRA M., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

CLARK, TRACY, Associate Provost for Budget, Planning, and Administration, and Associate Vice President for Finance (2007), B.B.A., J.D. (University of Cincinnati)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S., J.D. (University of Florida)

COLEMAN, ROBERT, Director, Food and Sn Sofia University (2012), B.A., M.Ed. (University of Texas)

COSTELLO, ELIZABETH, Director, Undergraduate Admissions (2000), B.S., M.P.A. (Florida Institute of Technology)

DAHL, SHELIA, Associate Director of Human Resources (2015), B.S., M.P.A. (Florida Atlantic University)

DEBEN, MICHAEL, Director, Health Services (2001), B.S., M.D., M.P.H. (University of South Florida)

DELLERT, CHRISTINE, Assistant Vice President, Strategic Communications and Marketing (2015), B.A., M.A. (University of Central Florida)

DODGE, JASON, Director, Transfer and Transition Services (2015), B.A., M.Ed. (University of Florida)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DOOLY, ELIZABETH A., Assistant Provost, Teaching & Learning, Dean, College of Undergraduate Studies, and Professor, College of Education (2015), B.A., J.D. (Nova Southeastern University)

DUHALLAGH, PATRICIA, Director, Student Legal Services (1996), B.A., J.D. (Nova Southeastern University)


EHAS, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EKEN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

FALCO, RICHARD A., Director, Student Union (2001), B.S., M.A. (University of Central Florida)

FROELICH, CRAIG, Director, SDES Information Technology (2007), B. S. (University of Central Florida)

FRUNKIN, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

GERGIOPOULOS, MICHAEL, Dean, College of Engineering and Computer Science, Professor of Electrical and Computer Engineering (1986), DIPL. M.S., Ph.D. (University of Crete, Greece)

GERMAN, DEBORAH C., Vice President for Medical Affairs, Dean of College of Medicine, and Professor of Surgery (2006), B.S., M.D. (Harvard Medical School)

GRIER, MICHAEL, Director, Office of Student Conduct (2014), B.S., M.Ed. (University of South Florida)

GONZALEZ, LYNN, Budget Initiatives (1991), B.A., M.B.A. (University of Central Florida)

GUMBLE, MARK, Assistant Vice President, Learning Support Services, Student Development and Enrollment Services (2000), B.A., M.A. (Binghamton University)

HALL, RHONDA C., Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Alcohol and Other Drug Programs (2000), B.S., M.S. (Florida State University)

HANSEN, LYNN, Executive Director, Career Services (2008), A.A., B.S., M.Ed. (University of West Florida)

HARTMAN, JOEL L., Vice Provost and Chief Information Officer, Information Technologies and Preclinical Services (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Executive Director, Housing and Residence Life (1962), B.A., M.Ed. (University of Miami)

HAWKINS, MAUREEN, Director, Wellness and Health Promotion Services (2000), B.S., M.Ed. (Providence College)

HENSEN, PHILLIP, Director, Finance and Accounting (2015), B.S., M.B.A. (University of Central Florida)

HESSE, AMY, Director, Creative School for Children (2013), B.A., M.A. (Western Governors University)

HESTON, GRANT J., Vice President, Communications and Marketing (2007), B.S., M.B.A. (University of Central Florida)

HITT, JOHN C., President, University of Central Florida and Professor of Psychology (1982), B.A., M.S., Ph.D. (Tulane University)

HOFFMANN, KAREN, Director, Counseling and Psychological Services (2002), B.A., M.A., Ph.D. (Texas A&M University)

HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation (2008), B.A., M.A. (University of Maine)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1986), B.S., M.E.D., Ph.D. (Florida State University)

HOPE, THOMAS, Assistant Vice President, Strategic Initiatives (2005), B.F.A., M.B.A. (University of Central Florida)

ISAAC, ULLA, Interim Director, Office of Experiential Learning (1996), B.A., M.S. (State University of New York at Albany)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (2007), B.A., M.A. (D Danteological Seminary)

JARLEY, PAUL, Dean and Professor, College of Business Administration (2012), B.S., M.A., Ph.D. (University of Wisconsin-Madison)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), LL.M., J.D. (University of Florida)
JENKINS, ANTHONY, Senior Associate Vice President and Dean of Student Development and Enrollment Services (2015), B.S., M.S., Ph.D. (Virginia Tech University)

JOHNSON, MICHAEL D., Dean, College of Sciences and Professor of Physics (1990), B.S., Ph.D. (University of Virginia)

JONES, J. JEFFREY, Vice Provost, UCF Regional Campuses (2013), B.S. (Florida University)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and Recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

JUNTONEN, DANA, Executive Director and Assistant Dean of Students, Office of Student Rights and Responsibilities (2003), B.A., M.Ed. (James Madison University)

KEATON, ALICIA, Director, Office of Student Financial Assistance (2013), B.S., M.B.A. (Wayne State University)

KERR, LEE, Associate Vice President for Administration and Finance, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)

KITTINGER JR., FRED R., Associate Vice President, University Relations (2001), B.A., M.P.A., Ph.D. (State University of New York at Stony Brook)

LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2002), MALARET, STACEY, Director, LEAD Scholars Academy (2001), B.A., Ed.D. (University of Central Florida)

MARTIN, BILL, Director, Facilities Planning and Construction (2014), B. Design, M.Arch (University of Florida)

MASSEY, BOB, Director, Facilities Planning and Construction (2013), B.S.E.E. (University of Pittsburgh)

MCCLOUD, REBEKAH, Director, Student Development and Enrollment Services (2017), B.B.A., M.Ed., M.S., Ed.D.

MEALOR, DAVID, Professor and Associate Vice President, UCF Sanford/MEALOR, DAVID, Director IT (2013), B.S., M.A. (Nova University)

MERCK II, WILLIAM F., Vice President, Administration and Finance and CFO (1996), B.B.A., M.B.A. (Georgia State University)

MEYER, ADAM, Director, Student Accessibility Services (2013), B.S., M.A., Ph.D. (Saint Louis University)

MISIONO, AARON, Director IT Services, UCF Regional Campuses (2009), B.S., M.S. (University of Central Florida)

MORGAN, JEFFERY, Director, Emergency Management (2005), B.S., M.A. (American Military University)

NEIGHBOR, J. EDWARD, Director, Space Planning & Analysis, and Professor of Administration and Finance (2017), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NORVELL, DAVID, Associate Vice President, Budget and Planning (2004), B.A., Ph.D. (University of Florida)

O’HARA, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and the Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., B.A., Ph.D. (University of Central Florida)

O’CONNELL, STEPHEN, Director, First Year Advising and Exploration (2015), B.A., M.A. (Tennessee State University)

ORO, GLANNA, Assistant Vice President, Community Relations (2000), B.A. (University of Central Florida)

ORTIZ, VIVIAN J., Director, Assessment, Development and Grants, Student Development and Enrollment Services (2002), B.S., M.S., Ph.D. (University of Central Florida)

PAYNE, RICHARD S., Associate Vice President, Budgets and Administration, Student Development and Enrollment Services (2002), B.S., M.B.A. (University of Central Florida)

PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburgh State University)

PETKOV, ANA, Director, Constituent Relations (2009)

PHILLIPS, RICHARD, Director, Activity and Service Fee Business Office (2013), B.S. (University of Utah)

PIETY, REBECCA, Director, Student Academic Resource Center and University Testing Center (1996), B.A. (University of Central Florida)

PITTMAN, JOHN C., Associate Vice President for Administration and Finance, Debt Management (2000), B.S., M.S.A. (University of Central Florida)

PIZAM, ABRAHAM, Dean, Rosen College of Hospitality Management, Linda Chapin Eminent Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.P.A, Ph.D. (Comel University)

PRESTON, MICHAEL, Executive Director, Florida Consortium of Metropolitan Research Universities (2011), B.A., M.S., Ed.D. (Texas A&M University at Commerce)

PRINTER, DELANE, Associate Vice President, Student Development and Enrollment Services (2006), B.A., M.A. (University of Alabama at Birmingham)

RANGE, ANTHONY, Assistant Vice President, Neighborhood Relocation and Safety Education (1994), B.S., M.Ed. (Florida A&M University)

REED, H. CAL., Assistant Vice President for Planned Giving (2004), B.A. J.D. (University of Kansas)

REYNOLDS, DEBRA, Director for Operations and Technology, Undergraduate Admissions (1993), B.S. (University of Central Florida)

RICHARDSON, DAN, Executive Director, Human Resources (2015), B.A., M.P.A. (Webster University)

RIVERS, CECELIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Florida)

ROBINSON, GREGORY, Director, Purchasing (1998), B.S., M.P.A (University of Central Florida)

SALEH, BAHAA E. A., Dean and Director, Professor of Optics & Photonics (1987), B.A., M.A., Ph.D. (Vanderbilt University)

SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)

SCHUCKMAN, GREGORY A., Dean, Director, Federal Relations, University Relations (2000), B.S., M.G.A. (University of Pennsylvania)

SHAH, MUBARAK, Interim Vice Provost and Dean, College of Graduate Studies, and Trustee Chair Professor of Computer Science (1998), B.E., M.S., Ph.D. (Wayne State University)

SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A. B.B.A., M.B.A. (Valdosta State University)

SIEH, DUANE, Director, Facilities Operations (2014), B.S.E.E. (University of Central Florida)

SINGH, KRISHNA, Director, Parking and Transportation Services (2007), B.S., M.S., Ph.D. (University of Texas)

SOLE, MARY LOU, Dean and Orlando Health Distinguished Professor, College of Nursing (1991), RN, M.S.N., Ph.D. (University of Texas)

STANSBURY, TODD, Vice President and Director of Athletics (2012), B.S., M.S. (Georgia State University)

STOCKMAN, CHERILL, Lecturer, College of Nursing (2015) RN, B.S.N. (Saint Louis University)


SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1973), B.F. (Temple University School of Medicine)

TANT, CHRISTY, Director, Budget Planning and Administration (2010), B.S., M.A. (University of Florida)

THACKER, LINDA BRADLEY, Assistant Vice President and Director, UCF Dayton Beach (2007), B.A., M.S., Ph.D. (Florida State University)

TORRES, CHANDA, Associate Vice President, Advising and Career Services, Student Development and Enrollment Services (2011), B.S., M.A., Ed.D. (University of Central Florida)

TREES, DIANE, Associate Vice President of Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TRIVEDI, SHREYA, Ombuds Officer (2011), B.A. (University of Central Florida)

UPHALL, MICHELLE, Professor, College of Nursing (2015), RN, Ph.D. (University of Utah)

VANKO, ANATHAN, PALLAVOOR, Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VILSACK, BECKY, Director, Information Technology Financial Systems (2002), B.A., M.A. (Webster University)

WADE, ANTHONY, Director, Sustainability and Energy Management (2011), B.S. (Michigan State University)

WANG, JUN, Dean of Burnett Honors College and Professor of Psychology (1997), B.A., Ph.D. (State University of New York at Stony Brook)

WATSON, MONTEL J., Director, Resources Management (1994), B.A., M.B.A. (Loyola University of Chicago)

WELCH, KERRY, Associate Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WHITAKER, A. DALE, Provost and Professor of Civil, Environmental, and Construction Engineering (2014), B.S., M.S., Ph.D. (Purdue University)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.B.A, M.A.T. (University of Louisville)


WRIGHT, JENNIFER, Director, Integrity and Ethical Development (2002), A.A.S., B.S.B.B.A. M.A. (Appalachian State University)

YANCEKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, CYNTHIA, Vice Provost for Faculty Development and International Affairs and Global Strategies, and Professor of Mathematics (1997), B.A., M.S., Ph.D. (University of Washington)

YOUNG, DENISE L., Associate Vice President and Director UCF Coca and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)

UCF Administrative Officers and Staff
<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Degree Type</th>
<th>Date</th>
<th>Name</th>
<th>Degree Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbreviation</td>
<td>Full Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>-----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC-A</td>
<td>All Knight Study</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADP</td>
<td>Alpha Delta Pi - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATO</td>
<td>Alpha Tau Omega - Fraternity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AZD</td>
<td>Alpha Xi Delta - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARF</td>
<td>Ampac</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC55</td>
<td>Aquarius Courtyard #55</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC56</td>
<td>Aquarius Courtyard #56</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC57</td>
<td>Aquarius Courtyard #57</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC58</td>
<td>Aquarius Courtyard #58</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC59</td>
<td>Aquarius Courtyard #59</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADRF</td>
<td>Ara Dr. Research Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARB</td>
<td>Arboretum</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VAB</td>
<td>Art Gallery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BAND</td>
<td>Band Storage</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BYC</td>
<td>Barbara Ying Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMMS</td>
<td>Barbara Ying Center - CMMS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JBF</td>
<td>Baseball Field</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS01</td>
<td>Bennett Research II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO</td>
<td>Biological Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BTG</td>
<td>Biological Transgenic Greenhouse</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BFRC</td>
<td>Biology Field Research Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BMRA</td>
<td>Biomolecular Research Annex</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BPW</td>
<td>BPW Scholarship House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BRE</td>
<td>Brevard Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BHNS</td>
<td>Bright House Networks Stadium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BHC</td>
<td>Burnett Honors College</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRS</td>
<td>Burnett House</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM</td>
<td>Burnett School of Biomedical Sciences</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA1</td>
<td>Business Administration I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA2</td>
<td>Business Administration II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSEL</td>
<td>Career Services and Experiential Learning</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CEM</td>
<td>Center for Emerging Media</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARNA</td>
<td>CFE Arena</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G416</td>
<td>Chi Omega - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIT</td>
<td>Citrus Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CB1</td>
<td>Classroom Building I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CB2</td>
<td>Classroom Building II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNH</td>
<td>Colbourn Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAH</td>
<td>College of Arts &amp; Humanities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSB</td>
<td>College of Sciences Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAPS</td>
<td>Counseling and Psychological Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC2</td>
<td>Creative School 1st Grade</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC1</td>
<td>Creative School for Children 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC3</td>
<td>Creative School Module 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CROL</td>
<td>CREOL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DDD</td>
<td>Delta Delta Delta - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UWC</td>
<td>Duke Energy UCF Welcome Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECC</td>
<td>Early Childhood Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ED</td>
<td>Education</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EOC</td>
<td>Emergency Operation Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ESTB</td>
<td>Emergency Services Training Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ERL</td>
<td>Engine Research Lab</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG1</td>
<td>Engineering I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG2</td>
<td>Engineering II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENP</td>
<td>Engineering Research Pavilion</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDC</td>
<td>Executive Development Center - UCF College of Business</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FSC</td>
<td>Facilities and Safety</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALUM</td>
<td>Fairwinds Alumni Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC-G</td>
<td>Ferrell Commons - G</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIEA</td>
<td>FIEA - Florida Interactive Entertainment Academy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS65</td>
<td>Fire Station #62</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLA</td>
<td>Flagler Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>Football Practice Field</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G415</td>
<td>Fraternity and Sorority Life</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC66</td>
<td>Gemini Courtyard #66</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC67</td>
<td>Gemini Courtyard #67</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC68</td>
<td>Gemini Courtyard #68</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC69</td>
<td>Gemini Courtyard #69</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC70</td>
<td>Gemini Courtyard #70</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GB</td>
<td>Global UCF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEC</td>
<td>Harris Corporation Engineering Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPA1</td>
<td>Health &amp; Public Affairs I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPA2</td>
<td>Health &amp; Public Affairs II</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HC</td>
<td>Health Center &amp; Pharmacy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H108</td>
<td>Hercules 108</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H109</td>
<td>Hercules 109</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H110</td>
<td>Hercules 110</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H111</td>
<td>Hercules 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H112</td>
<td>Hercules 112</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H113</td>
<td>Hercules 113</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H114</td>
<td>Hercules 114</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H115</td>
<td>Hercules 115</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAB</td>
<td>Housing Administration</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPH</td>
<td>Howard Phillips Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>IN VIVO Research</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IC</td>
<td>Innovative Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JBF</td>
<td>Jay Bergman Field - Baseball Stadium</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIB</td>
<td>John C. Hitt Library</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JTWC</td>
<td>John T. Washington Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G411</td>
<td>Kappa Alpha Theta - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KD</td>
<td>Kappa Delta - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G417</td>
<td>Kappa Kappa Gamma - Sorority</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KS</td>
<td>Kappa Sigma - Fraternity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>Knight's Circle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>Knight's Pantry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KTRS</td>
<td>Knightro's</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KP1</td>
<td>Knights Plaza I</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC65</td>
<td>Lake Claire Community Office and Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>Lake Claire Recreational Area</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAK</td>
<td>Lake Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPS</td>
<td>Leisure Pool Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCC</td>
<td>Libra Community Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC-A</td>
<td>Live Oak Ballroom/Garden Room</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC-D</td>
<td>Marketplace Dining Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSB</td>
<td>Mathematical Sciences Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM</td>
<td>Medical Education Building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>—</td>
<td>Memory Mall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MH</td>
<td>Millican Hall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MMAE</td>
<td>MMAE Facility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIRC</td>
<td>Morgridge International Reading Center</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N156</td>
<td>Neptune 156</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N157</td>
<td>Neptune 157</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N158</td>
<td>Neptune 158</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N101</td>
<td>Nike 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N102</td>
<td>Nike 102</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N103</td>
<td>Nike 103</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N104</td>
<td>Nike 104</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N105</td>
<td>Nike 105</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N106</td>
<td>Nike 106</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Building Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Location/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N107</td>
<td>Nike 107</td>
</tr>
<tr>
<td>FC-C</td>
<td>Office of Student Rights and Responsibilities</td>
</tr>
<tr>
<td>OCPS</td>
<td>Orange County School System</td>
</tr>
<tr>
<td>ORG</td>
<td>Orange Hall</td>
</tr>
<tr>
<td>orlando-shakes</td>
<td>Orlando Shakespeare Theatre in Partnership with UCF</td>
</tr>
<tr>
<td>OTC3</td>
<td>Orlando Tech Center</td>
</tr>
<tr>
<td>OTC5</td>
<td>Orlando Tech Center - Bldg. 500</td>
</tr>
<tr>
<td>OTC6</td>
<td>Orlando Tech Center - Bldg. 600</td>
</tr>
<tr>
<td>OSC</td>
<td>Osceola Hall</td>
</tr>
<tr>
<td>CPS</td>
<td>Parking &amp; Transportation Services</td>
</tr>
<tr>
<td>P2</td>
<td>Partnership II</td>
</tr>
<tr>
<td>P3</td>
<td>Partnership III</td>
</tr>
<tr>
<td>LC60</td>
<td>Pegasus Courtyard #60</td>
</tr>
<tr>
<td>LC61</td>
<td>Pegasus Courtyard #61</td>
</tr>
<tr>
<td>LC62</td>
<td>Pegasus Courtyard #62</td>
</tr>
<tr>
<td>LC63</td>
<td>Pegasus Courtyard #63</td>
</tr>
<tr>
<td>LC64</td>
<td>Pegasus Courtyard #64</td>
</tr>
<tr>
<td>PAC</td>
<td>Performing Arts Center</td>
</tr>
<tr>
<td>PAC</td>
<td>Performing Arts Center Music</td>
</tr>
<tr>
<td>PAC</td>
<td>Performing Arts Center Theatre</td>
</tr>
<tr>
<td>PSB</td>
<td>Physical Sciences Building</td>
</tr>
<tr>
<td>PBP</td>
<td>Pi Beta Phi - Sorority</td>
</tr>
<tr>
<td>POL</td>
<td>Polk Hall</td>
</tr>
<tr>
<td>PRNT</td>
<td>Print Shop</td>
</tr>
<tr>
<td>PSY</td>
<td>Psychology Building</td>
</tr>
<tr>
<td>UPD</td>
<td>Public Safety Building (Police)</td>
</tr>
<tr>
<td>RSSP</td>
<td>Rec Services Soccer Field Pavilion</td>
</tr>
<tr>
<td>RWC</td>
<td>Recreation and Wellness Center</td>
</tr>
<tr>
<td>RSP</td>
<td>Recreation Service Pavilion</td>
</tr>
<tr>
<td>RFM</td>
<td>Recreation Services Field Maintenance</td>
</tr>
<tr>
<td>RSFR</td>
<td>Recreation Services Field Restroom</td>
</tr>
<tr>
<td>RSB</td>
<td>Recreation Support</td>
</tr>
<tr>
<td>RC</td>
<td>Recycling Center</td>
</tr>
<tr>
<td>—</td>
<td>Reflecting Pond</td>
</tr>
<tr>
<td>KSK</td>
<td>Reflections Kiosk</td>
</tr>
<tr>
<td>RH</td>
<td>Rehearsal Hall</td>
</tr>
<tr>
<td>PVL</td>
<td>Research Pavilion</td>
</tr>
<tr>
<td>LS23</td>
<td>Retirement Planning &amp; Investments / Athletics</td>
</tr>
<tr>
<td>OBSV</td>
<td>Robinson Observatory</td>
</tr>
<tr>
<td>—</td>
<td>Rosen College Apartments</td>
</tr>
<tr>
<td>—</td>
<td>RWC Park</td>
</tr>
<tr>
<td>FC-B</td>
<td>SDES Information Technology</td>
</tr>
<tr>
<td>SEM</td>
<td>Seminole Hall</td>
</tr>
<tr>
<td>SEC</td>
<td>Siemens Energy Center</td>
</tr>
<tr>
<td>SX</td>
<td>Sigma Chi - Fraternity</td>
</tr>
<tr>
<td>STTC</td>
<td>Simulation, Training and Technology Center</td>
</tr>
<tr>
<td>SBDC</td>
<td>Small Business Development Center</td>
</tr>
<tr>
<td>—</td>
<td>Soccer Practice Field</td>
</tr>
<tr>
<td>SBS</td>
<td>Softball Stadium</td>
</tr>
<tr>
<td>FC-E</td>
<td>SRC Auditorium</td>
</tr>
<tr>
<td>SWRL</td>
<td>Storm Water Research Lab</td>
</tr>
<tr>
<td>FC-F</td>
<td>Student Accessibility Services</td>
</tr>
<tr>
<td>STUN</td>
<td>Student Union</td>
</tr>
<tr>
<td>SUM</td>
<td>Sumter Hall</td>
</tr>
<tr>
<td>TA</td>
<td>Teaching Academy</td>
</tr>
<tr>
<td>TC1</td>
<td>Technology Commons I</td>
</tr>
<tr>
<td>TC2</td>
<td>Technology Commons II</td>
</tr>
<tr>
<td>IRIF</td>
<td>Technology Incubator</td>
</tr>
<tr>
<td>—</td>
<td>The Venue</td>
</tr>
<tr>
<td>TH</td>
<td>Theatre</td>
</tr>
<tr>
<td>G409</td>
<td>Theta Chi - Fraternity</td>
</tr>
<tr>
<td>TRNP</td>
<td>Timothy R. Newman Nature Pavilion</td>
</tr>
<tr>
<td>T1</td>
<td>Tower I</td>
</tr>
<tr>
<td>T2</td>
<td>Tower II</td>
</tr>
<tr>
<td>T3</td>
<td>Tower III</td>
</tr>
<tr>
<td>T4</td>
<td>Tower IV</td>
</tr>
<tr>
<td>TSS</td>
<td>Track &amp; Soccer Field</td>
</tr>
<tr>
<td>—</td>
<td>Trailer</td>
</tr>
<tr>
<td>—</td>
<td>Trailer 2</td>
</tr>
<tr>
<td>—</td>
<td>Trailer 3</td>
</tr>
<tr>
<td>—</td>
<td>Trailer 4</td>
</tr>
<tr>
<td>UCFH</td>
<td>UCF House</td>
</tr>
<tr>
<td>UTC</td>
<td>University Tech Center</td>
</tr>
<tr>
<td>UTWR</td>
<td>University Tower</td>
</tr>
<tr>
<td>—</td>
<td>Veterans Commemorative Site</td>
</tr>
<tr>
<td>VPI</td>
<td>Visitor and Parking Information Center</td>
</tr>
<tr>
<td>VAB</td>
<td>Visual Arts Building</td>
</tr>
<tr>
<td>VOL</td>
<td>Volusia Hall</td>
</tr>
<tr>
<td>WT</td>
<td>Water Tower</td>
</tr>
<tr>
<td>WD1</td>
<td>Wayne Densch Center I</td>
</tr>
<tr>
<td>WD2</td>
<td>Wayne Densch Center II</td>
</tr>
<tr>
<td>WDSC</td>
<td>Wayne Densch Sports Center</td>
</tr>
<tr>
<td>ZTA</td>
<td>Zeta Tau Alpha - Sorority</td>
</tr>
</tbody>
</table>
A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GE) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term's Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSSS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

COM: College of Medicine.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/ minor.

Email: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA during a subsequent term is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

FYE: First Year Experience.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student's life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of "C" (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student's academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student's grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator," this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). Certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor's degree program major requiring at least 18 credit hours in a field. myUCF, the UCF student information portal online at https://my.ucf.edu, myUCF is a powerful, security-encrypted, personal identification and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights Email account, telephone number, and permanent/mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap; print the "Degree Audit," obtain the registration appointment day and time for each term, print a "Fee Invoice," pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the NID (Network Identification Number). Each time you use the NID to enter myUCF, you also will enter your password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student's status upon acceptance into the program.)

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student's UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar's Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges' advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students' continued enrollment at the University until successful completion of their educational goals.

RCHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the "Student Financial Assistance" section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example, there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called "terms" (also called "semesters"). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them "quarters." UCF is on the semester system; however, we usually speak of "Fall Term," "Spring Term," or "Summer Sessions."

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see "Repeat Surcharge."

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar's Office.

TSD: Accelerated education opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.
<table>
<thead>
<tr>
<th>INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absences, Attendance, or Unsatisfactory Work</td>
</tr>
<tr>
<td>Academic</td>
</tr>
<tr>
<td>Advising</td>
</tr>
<tr>
<td>Amnesty Program</td>
</tr>
<tr>
<td>Behavior Standards</td>
</tr>
<tr>
<td>Calendar</td>
</tr>
<tr>
<td>Honors</td>
</tr>
<tr>
<td>Probation</td>
</tr>
<tr>
<td>Degrees, Majors, and Minors</td>
</tr>
<tr>
<td>Regulations and Procedures</td>
</tr>
<tr>
<td>Services for Student-Athletes (ASSA)</td>
</tr>
<tr>
<td>Standing</td>
</tr>
<tr>
<td>Academic Advising</td>
</tr>
<tr>
<td>Academic Services for Student-Athletes (ASSA)</td>
</tr>
<tr>
<td>First Year Advising and Exploration (FYAE)</td>
</tr>
<tr>
<td>Freshmen (First Time in College - FTIC)</td>
</tr>
<tr>
<td>Major Exploration Program</td>
</tr>
<tr>
<td>Multicultural Academic and Support Services (MASS)</td>
</tr>
<tr>
<td>Pre-Health and Pre-Law Advising</td>
</tr>
<tr>
<td>Responsibilities</td>
</tr>
<tr>
<td>Student Academic Resource Center (SARC)</td>
</tr>
<tr>
<td>Accelerated Educational Opportunities</td>
</tr>
<tr>
<td>Accounting, Kenneth G. Dixon School of</td>
</tr>
<tr>
<td>Accreditation</td>
</tr>
<tr>
<td>Activity and Service Fee Business Office (ASF)</td>
</tr>
<tr>
<td>Address and Email Changes</td>
</tr>
<tr>
<td>Administration, University</td>
</tr>
<tr>
<td>Admission Categories</td>
</tr>
<tr>
<td>Admission to the Upper Division</td>
</tr>
<tr>
<td>Admissions and Standards Committee</td>
</tr>
<tr>
<td>(See also: Readmission)</td>
</tr>
<tr>
<td>Admissions, Undergraduate</td>
</tr>
<tr>
<td>Advanced Placement Program (AP)</td>
</tr>
<tr>
<td>Advising, Academic</td>
</tr>
<tr>
<td>Aerospace Studies (Air Force ROTC)</td>
</tr>
<tr>
<td>Africana Studies Program</td>
</tr>
<tr>
<td>Air Force (ROTC)</td>
</tr>
<tr>
<td>Alcoholic Beverages Policy, Campus</td>
</tr>
<tr>
<td>Alumni Association</td>
</tr>
<tr>
<td>American Sign Language (ASL)</td>
</tr>
<tr>
<td>American Studies Program</td>
</tr>
<tr>
<td>Amnesty Program, Academic</td>
</tr>
<tr>
<td>Application for Admission</td>
</tr>
<tr>
<td>Application Deadlines</td>
</tr>
<tr>
<td>Area Studies Programs</td>
</tr>
<tr>
<td>Arena, CFE</td>
</tr>
<tr>
<td>Army ROTC (Military Science)</td>
</tr>
<tr>
<td>Articulated A.S. to B.S. Programs, Statewide</td>
</tr>
<tr>
<td>Arts and Humanities, College of</td>
</tr>
<tr>
<td>Associate of Arts Degree</td>
</tr>
<tr>
<td>A.S. to B.S. Programs</td>
</tr>
<tr>
<td>Athletics, Intercollegiate</td>
</tr>
<tr>
<td>Athletic Eligibility and Retention Committee</td>
</tr>
<tr>
<td>Athletic Training</td>
</tr>
<tr>
<td>Attendance, Absences, or Unsatisfactory Work</td>
</tr>
<tr>
<td>Audit</td>
</tr>
<tr>
<td>Registration</td>
</tr>
<tr>
<td>Senior Citizen</td>
</tr>
<tr>
<td>Award Notification</td>
</tr>
<tr>
<td>Baccalaureate Degrees</td>
</tr>
<tr>
<td>Baccalaureate Honors</td>
</tr>
<tr>
<td>Board of Governors, Florida</td>
</tr>
<tr>
<td>Board of Trustees, UCF</td>
</tr>
<tr>
<td>Bookstores, Campus</td>
</tr>
<tr>
<td>Burnett Honors College</td>
</tr>
<tr>
<td>Burnett School of Biomedical Sciences</td>
</tr>
<tr>
<td>Business Administration, College of</td>
</tr>
<tr>
<td>Calendar, Academic</td>
</tr>
<tr>
<td>Cambridge AICE Exams</td>
</tr>
<tr>
<td>Campuses, Regional</td>
</tr>
<tr>
<td>Campus Alcoholic Beverages Policy</td>
</tr>
<tr>
<td>Campus Visit Experience</td>
</tr>
<tr>
<td>Career Services (CS)</td>
</tr>
<tr>
<td>Catalog, Choice of</td>
</tr>
<tr>
<td>Central Florida Research Park</td>
</tr>
<tr>
<td>Certificates</td>
</tr>
<tr>
<td>Certification, Enrollment</td>
</tr>
<tr>
<td>CFE Arena</td>
</tr>
<tr>
<td>Child Care (see Creative School)</td>
</tr>
<tr>
<td>Classroom Responsibility</td>
</tr>
<tr>
<td>Clinical Experiences</td>
</tr>
<tr>
<td>Cocoa Regional Campus</td>
</tr>
<tr>
<td>College Level Examination Program (CLEP)</td>
</tr>
<tr>
<td>Common Course Numbering System</td>
</tr>
<tr>
<td>Common Program Prerequisites</td>
</tr>
<tr>
<td>Communication, Nicholson School of</td>
</tr>
<tr>
<td>Complaint Policy</td>
</tr>
<tr>
<td>Computer Science, Dept.</td>
</tr>
<tr>
<td>Construction Engineering, Civil, Environmental, and</td>
</tr>
<tr>
<td>Continuing Education, Division of</td>
</tr>
<tr>
<td>Continuous Enrollment</td>
</tr>
<tr>
<td>Cooperative Education (See Experiential Learning)</td>
</tr>
<tr>
<td>Co-op Student</td>
</tr>
<tr>
<td>Correspondence Courses</td>
</tr>
<tr>
<td>Costs, School</td>
</tr>
<tr>
<td>Counseling and Psychological Services (CAPS)</td>
</tr>
<tr>
<td>Course Repeat Surcharges, Third Attempt</td>
</tr>
<tr>
<td>Course Substitutions, Generic</td>
</tr>
<tr>
<td>Courses and Descriptions</td>
</tr>
<tr>
<td>Creative School for Children (CSC)</td>
</tr>
<tr>
<td>Creed</td>
</tr>
<tr>
<td>Credit</td>
</tr>
<tr>
<td>By Examination</td>
</tr>
<tr>
<td>Dual Usage</td>
</tr>
<tr>
<td>While Disqualified</td>
</tr>
<tr>
<td>Credit Hour Limits</td>
</tr>
<tr>
<td>CREOL and FPCE</td>
</tr>
<tr>
<td>Cum Laude</td>
</tr>
<tr>
<td>DANTES Examination Credit</td>
</tr>
<tr>
<td>Daytona Beach Regional Campus</td>
</tr>
<tr>
<td>Dean's List</td>
</tr>
<tr>
<td>Deferrals of Tuition and Fees</td>
</tr>
<tr>
<td>Degree Audit</td>
</tr>
<tr>
<td>Degree Verifications, Enrollment and</td>
</tr>
<tr>
<td>Degrees Offered</td>
</tr>
<tr>
<td>Degree Requirements, Undergraduate</td>
</tr>
<tr>
<td>Departments and Schools</td>
</tr>
<tr>
<td>Accounting, Kenneth G. Dixon School of</td>
</tr>
<tr>
<td>Aerospace Studies (Air Force ROTC)</td>
</tr>
<tr>
<td>Anthropology</td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>Biomedical Sciences, Burnett School of</td>
</tr>
<tr>
<td>Chemistry</td>
</tr>
<tr>
<td>Child, Family, and Community Sciences</td>
</tr>
<tr>
<td>Civil, Environmental, &amp; Construction Engineering</td>
</tr>
<tr>
<td>Communication, Nicholson School of</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
</tr>
<tr>
<td>Criminal Justice</td>
</tr>
<tr>
<td>Economics</td>
</tr>
<tr>
<td>Educational and Human Sciences</td>
</tr>
<tr>
<td>Computer Science</td>
</tr>
<tr>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>English</td>
</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
<td>Health Management and Informatics</td>
</tr>
<tr>
<td>Health Professions</td>
</tr>
<tr>
<td>History</td>
</tr>
<tr>
<td>Industrial Engineering and Management Systems</td>
</tr>
<tr>
<td>Legal Studies</td>
</tr>
<tr>
<td>Management</td>
</tr>
<tr>
<td>Marketing</td>
</tr>
<tr>
<td>Materials Science and Engineering</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Military Science (Army ROTC)</td>
</tr>
<tr>
<td>Modern Languages and Literatures</td>
</tr>
<tr>
<td>Music</td>
</tr>
<tr>
<td>Performing Arts, School of</td>
</tr>
</tbody>
</table>

UNIVERSITY OF CENTRAL FLORIDA 575 Undergraduate Catalog 2016-2017
<table>
<thead>
<tr>
<th>Index</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dick Pope, Sr. Institute for Tourism Studies</td>
<td>28</td>
</tr>
<tr>
<td>Directory Information</td>
<td>65</td>
</tr>
<tr>
<td>Disability Services (See Student Accessibility Services)</td>
<td>47</td>
</tr>
<tr>
<td>Disqualification/Suspension, Academic</td>
<td>62</td>
</tr>
<tr>
<td>Distributed Learning, Center for</td>
<td>15</td>
</tr>
<tr>
<td>Diversity Requirement</td>
<td>72</td>
</tr>
<tr>
<td>Double Majors</td>
<td>76</td>
</tr>
<tr>
<td>Drop/Swap and Add Policy</td>
<td>57</td>
</tr>
<tr>
<td>Drug-Free Workplace/Drug-Free Schools Policy</td>
<td>12</td>
</tr>
<tr>
<td>Dual Enrollment</td>
<td>31, 32</td>
</tr>
<tr>
<td>Early Admission</td>
<td>32</td>
</tr>
<tr>
<td>Education and Human Performance, College of</td>
<td>53, 90</td>
</tr>
<tr>
<td>Endowed Chairs</td>
<td>20</td>
</tr>
<tr>
<td>Electrical and Computer Engineering, Dept.</td>
<td>97</td>
</tr>
<tr>
<td>Engineering and Computer Science, College of</td>
<td>54, 94</td>
</tr>
<tr>
<td>Enrollment and Degree Verifications</td>
<td>58</td>
</tr>
<tr>
<td>Enrollment, Continuous</td>
<td>71</td>
</tr>
<tr>
<td>EXCEL Program</td>
<td>116</td>
</tr>
<tr>
<td>Excess Hours</td>
<td>38, 57</td>
</tr>
<tr>
<td>Excessor College Examinations</td>
<td>70</td>
</tr>
<tr>
<td>Exclusion</td>
<td>62</td>
</tr>
<tr>
<td>Executive Development Center</td>
<td>28</td>
</tr>
<tr>
<td>Experiential Learning</td>
<td>26, 115</td>
</tr>
<tr>
<td>Family Educational Rights and Privacy Act (FERPA)</td>
<td>65</td>
</tr>
<tr>
<td>Fee Refunds</td>
<td>40</td>
</tr>
<tr>
<td>Fees, Schedule of</td>
<td>39</td>
</tr>
<tr>
<td>Financial Assistance, Office of Student</td>
<td>35, 47</td>
</tr>
<tr>
<td>First Year Advising and Exploration (FYAE)</td>
<td>43</td>
</tr>
<tr>
<td>First Year Experience (FYE)</td>
<td>43</td>
</tr>
<tr>
<td>Florida-Canada Linkage Institute</td>
<td>28</td>
</tr>
<tr>
<td>Florida-Eastern Europe Linkage Institute</td>
<td>28</td>
</tr>
<tr>
<td>Florida Institute of Government at UCF</td>
<td>28</td>
</tr>
<tr>
<td>Florida Prepaid College Plan</td>
<td>39</td>
</tr>
<tr>
<td>Florida Residency for Tuition Purposes</td>
<td>40</td>
</tr>
<tr>
<td>Florida Solar Energy Center (FSEC)</td>
<td>28</td>
</tr>
<tr>
<td>Florida Space Institute (FSI)</td>
<td>28</td>
</tr>
<tr>
<td>Florida Work Experience Program (FWEP)</td>
<td>26</td>
</tr>
<tr>
<td>Foreign Language Proficiency Requirement</td>
<td>73</td>
</tr>
<tr>
<td>Foundation, UCF, Inc.</td>
<td>25</td>
</tr>
<tr>
<td>Fraternity and Sorority Life (FSL)</td>
<td>44</td>
</tr>
<tr>
<td>Freshman Applicants</td>
<td>31</td>
</tr>
<tr>
<td>Freshman Classification</td>
<td>31</td>
</tr>
<tr>
<td>Disbursements</td>
<td>37</td>
</tr>
<tr>
<td>General Education Program (GEP)</td>
<td>71</td>
</tr>
<tr>
<td>Glossary</td>
<td>573</td>
</tr>
<tr>
<td>Good Standing</td>
<td>61</td>
</tr>
<tr>
<td>Gordon Rule, The</td>
<td>74</td>
</tr>
<tr>
<td>Grade Change</td>
<td>60</td>
</tr>
<tr>
<td>Grade Forgiveness</td>
<td>61</td>
</tr>
<tr>
<td>Grade Point Average (GPA)</td>
<td>59</td>
</tr>
<tr>
<td>Grade Reports</td>
<td>60</td>
</tr>
<tr>
<td>Grade System</td>
<td>59</td>
</tr>
<tr>
<td>Graduate Programs</td>
<td>78</td>
</tr>
<tr>
<td>Graduation Application Deadline</td>
<td>75</td>
</tr>
<tr>
<td>Graduation Rate Disclosure</td>
<td>24</td>
</tr>
<tr>
<td>Health Services, Student</td>
<td>47</td>
</tr>
<tr>
<td>Health &amp; Public Affairs, College of</td>
<td>54, 103</td>
</tr>
<tr>
<td>Health Professions - Athletic Training</td>
<td>104</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>105</td>
</tr>
<tr>
<td>Health Services Administration Program</td>
<td>104</td>
</tr>
<tr>
<td>Higher Education Act</td>
<td>65</td>
</tr>
<tr>
<td>Holds</td>
<td>57</td>
</tr>
<tr>
<td>Honors, Academic</td>
<td>61</td>
</tr>
<tr>
<td>Honors, University</td>
<td>79</td>
</tr>
<tr>
<td>Honors College, The Burnett</td>
<td>52, 79</td>
</tr>
<tr>
<td>Honors in the Major</td>
<td>80</td>
</tr>
<tr>
<td>Hospitality Management, Rosen College of</td>
<td>56, 117</td>
</tr>
<tr>
<td>Housing and Residence Life (HRL)</td>
<td>44</td>
</tr>
<tr>
<td>Humanities (see Philosophy)</td>
<td>84</td>
</tr>
<tr>
<td>Inclusive Education Services (IES)</td>
<td>47</td>
</tr>
<tr>
<td>Incomplete ('I') Grade</td>
<td>59</td>
</tr>
<tr>
<td>Information Technologies and Resources</td>
<td>22</td>
</tr>
<tr>
<td>Institute for Simulation and Training (IST)</td>
<td>29</td>
</tr>
<tr>
<td>Institutes and Centers for Research</td>
<td>28</td>
</tr>
<tr>
<td>Instructional Resources, Office of</td>
<td>23</td>
</tr>
<tr>
<td>Integrity and Ethical Development, Office of</td>
<td>45</td>
</tr>
<tr>
<td>Interdisciplinary Studies, Office of</td>
<td>56, 116</td>
</tr>
<tr>
<td>International Baccalaureate Program</td>
<td>67</td>
</tr>
<tr>
<td>International Affairs and Global Strategies (IAGS)</td>
<td>26</td>
</tr>
<tr>
<td>Judicial Studies Program</td>
<td>83</td>
</tr>
<tr>
<td>Junior Classification</td>
<td>60</td>
</tr>
<tr>
<td>Kenneth G. Dixon School of Accounting</td>
<td>88</td>
</tr>
<tr>
<td>Knights Plaza</td>
<td>24</td>
</tr>
<tr>
<td>Late Fees</td>
<td>40</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>83</td>
</tr>
<tr>
<td>Leesburg Regional Campus</td>
<td>17</td>
</tr>
<tr>
<td>LEAD Scholars Academy (LSA)</td>
<td>44</td>
</tr>
<tr>
<td>LGBTQI Services (See Social Justice)</td>
<td>46</td>
</tr>
<tr>
<td>Libraries, University</td>
<td>22</td>
</tr>
<tr>
<td>Limited Access Programs</td>
<td>31</td>
</tr>
<tr>
<td>Limited Non-Degree Seeking Applicants</td>
<td>39, 57, 61</td>
</tr>
<tr>
<td>LINK</td>
<td>43</td>
</tr>
<tr>
<td>Magna Cum Laude</td>
<td>61</td>
</tr>
<tr>
<td>Major Exploration Program</td>
<td>43</td>
</tr>
<tr>
<td>Majors</td>
<td>64, 77, 118</td>
</tr>
<tr>
<td>Materials Science and Engineering</td>
<td>99</td>
</tr>
<tr>
<td>Math Placement Test, UCF</td>
<td>57</td>
</tr>
<tr>
<td>Meal Plans (See Housing and Residence Life)</td>
<td>44</td>
</tr>
<tr>
<td>Mechanical and Aerospace Engineering</td>
<td>100</td>
</tr>
<tr>
<td>Medical Laboratory Sciences Program</td>
<td>107</td>
</tr>
<tr>
<td>Medicine, College of</td>
<td>54, 106</td>
</tr>
<tr>
<td>Middle Eastern Studies Program</td>
<td>84</td>
</tr>
<tr>
<td>Military Science (Army ROTC)</td>
<td>102</td>
</tr>
<tr>
<td>Minors, Academic</td>
<td>65, 78, 353</td>
</tr>
<tr>
<td>Modern Languages and Literatures, Department of</td>
<td>84</td>
</tr>
<tr>
<td>Multicultural Academic and Support Services (MASS)</td>
<td>44</td>
</tr>
<tr>
<td>Name Changes</td>
<td>64</td>
</tr>
<tr>
<td>National Consortium for Academics &amp; Sports (NCAS)</td>
<td>27</td>
</tr>
<tr>
<td>Neighborhood Relations and Safety Education (NRSE)</td>
<td>44</td>
</tr>
<tr>
<td>Nicholson School of Communication</td>
<td>113</td>
</tr>
<tr>
<td>No Credit (NC) Grade</td>
<td>59</td>
</tr>
<tr>
<td>Non-Academic Admission Clearances</td>
<td>63</td>
</tr>
<tr>
<td>Non-Degree-Seeking Students, Limited</td>
<td>39, 57, 61</td>
</tr>
<tr>
<td>Nursing, College of</td>
<td>55, 108</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (ORAU)</td>
<td>29</td>
</tr>
<tr>
<td>Ocala Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Off-Campus College Credit Programs</td>
<td>27</td>
</tr>
<tr>
<td>Ombuds Office, University</td>
<td>21</td>
</tr>
<tr>
<td>Optics and Photonics, College of</td>
<td>55, 109</td>
</tr>
<tr>
<td>Orientation</td>
<td>31</td>
</tr>
<tr>
<td>Osceola Regional Campus, Valencia</td>
<td>19</td>
</tr>
<tr>
<td>Over Awards</td>
<td>38</td>
</tr>
<tr>
<td>Palm Bay Regional Campus</td>
<td>18</td>
</tr>
<tr>
<td>Parking and Transportation Services</td>
<td>24</td>
</tr>
<tr>
<td>Past Due Accounts</td>
<td>40</td>
</tr>
<tr>
<td>Payment Procedures</td>
<td>39</td>
</tr>
<tr>
<td>Police, UCF Public Safety and</td>
<td>21</td>
</tr>
<tr>
<td>Post-Baccalaureate Classification</td>
<td>60</td>
</tr>
<tr>
<td>Posthumous Degrees</td>
<td>71</td>
</tr>
<tr>
<td>Pre-Health and Pre-Law Advising</td>
<td>116</td>
</tr>
<tr>
<td>President’s Honor Roll</td>
<td>61</td>
</tr>
<tr>
<td>Prestigious Awards, Office of</td>
<td>80</td>
</tr>
<tr>
<td>PRIME STEM (See SDES TRIO Center)</td>
<td>46</td>
</tr>
</tbody>
</table>