UCF Stands For Opportunity

2014-2015
Undergraduate Catalog

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407-903-8000

UCF REGIONAL CAMPUSES
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407-823-4663

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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></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>University Administration.</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Academic Calendars.</strong></td>
<td>10</td>
</tr>
<tr>
<td><strong>University Notices</strong></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/Drug-Free Schools Policy Statement</td>
<td>12</td>
</tr>
<tr>
<td>Campus Alcohol Beverages Policy</td>
<td>12</td>
</tr>
<tr>
<td>Academic Behavior Standards</td>
<td>12</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><strong>University of Central Florida/Campuses</strong></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>19</td>
</tr>
<tr>
<td>Endowed Chairs</td>
<td>20</td>
</tr>
<tr>
<td>University Ombuds Office</td>
<td>21</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>21</td>
</tr>
<tr>
<td>International Services Center</td>
<td>21</td>
</tr>
<tr>
<td>UCF Public Safety and Police</td>
<td>21</td>
</tr>
<tr>
<td>Information Technologies and Resources</td>
<td>23</td>
</tr>
<tr>
<td>Intercollegiate Athletics</td>
<td>24</td>
</tr>
<tr>
<td>Graduation Rate Disclosure</td>
<td>24</td>
</tr>
<tr>
<td>CIU Arena at Knights Plaza</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, Inc.</td>
<td>25</td>
</tr>
<tr>
<td><strong>Special Academic Programs and Research Institutes.</strong></td>
<td>26</td>
</tr>
<tr>
<td>International Studies</td>
<td>26</td>
</tr>
<tr>
<td>Study Abroad Programs</td>
<td>26</td>
</tr>
<tr>
<td>Experiential Learning (Office of), Undergraduate Studies</td>
<td>26</td>
</tr>
<tr>
<td>Division of Continuing Education</td>
<td>27</td>
</tr>
<tr>
<td>Institutes and Centers for Research</td>
<td>27</td>
</tr>
<tr>
<td><strong>Undergraduate Admissions</strong></td>
<td>30</td>
</tr>
<tr>
<td>Campus Visit Experience</td>
<td>30</td>
</tr>
<tr>
<td>Application for Admission</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>33</td>
</tr>
<tr>
<td>Transfer Credit: All Applicants</td>
<td>34</td>
</tr>
<tr>
<td>Baccalaureate Honors</td>
<td>34</td>
</tr>
<tr>
<td><strong>Student Financial Assistance.</strong></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>35</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>Disbursements</td>
<td>37</td>
</tr>
<tr>
<td>Satisfactory Academic Progress (SAP)</td>
<td>37</td>
</tr>
<tr>
<td>Reestablishing Eligibility after Cancellation</td>
<td>37</td>
</tr>
<tr>
<td>Satisfactory Academic Progress Probation</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>37</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><strong>Student Tuition and Fees.</strong></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>39</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>40</td>
</tr>
<tr>
<td>Residency Reclassification</td>
<td>41</td>
</tr>
<tr>
<td><strong>Division of Student Development and Enrollment Services.</strong></td>
<td>42</td>
</tr>
<tr>
<td><strong>Transfer and Transition Services.</strong></td>
<td>50</td>
</tr>
<tr>
<td><strong>Academic Advising.</strong></td>
<td>53</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>53</td>
</tr>
<tr>
<td>Freshmen (First Time in College - FTIC)</td>
<td>53</td>
</tr>
<tr>
<td>The Burnett Honors College</td>
<td>53</td>
</tr>
<tr>
<td>College of Arts and Humanities</td>
<td>53</td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>54</td>
</tr>
<tr>
<td>College of Education and Human Performance</td>
<td>54</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>55</td>
</tr>
<tr>
<td>College of Nursing</td>
<td>55</td>
</tr>
<tr>
<td>College of Sciences</td>
<td>55</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>56</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>56</td>
</tr>
<tr>
<td>Regional Campus System</td>
<td>56</td>
</tr>
<tr>
<td><strong>Academic Regulations and Procedures.</strong></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>Grade Point Hour Limits</td>
<td>57</td>
</tr>
<tr>
<td>Excess Hours</td>
<td>57</td>
</tr>
<tr>
<td>Holds</td>
<td>57</td>
</tr>
<tr>
<td>Drop/Swap and Add Policy</td>
<td>57</td>
</tr>
<tr>
<td>Audit Registration</td>
<td>57</td>
</tr>
<tr>
<td>UCF Math Placement Test</td>
<td>57</td>
</tr>
<tr>
<td>Senior Citizen Audit</td>
<td>57</td>
</tr>
<tr>
<td>State of Florida Employee and UCF Employee Registration</td>
<td>57</td>
</tr>
<tr>
<td>Limited Non-Degree Seeking Applicants</td>
<td>57</td>
</tr>
<tr>
<td>STEP (National Guard) Registration</td>
<td>57</td>
</tr>
<tr>
<td>State University System (SUS) Florida Transient Students</td>
<td>58</td>
</tr>
<tr>
<td>UCF Students Attending Another Florida Public Institution</td>
<td>58</td>
</tr>
<tr>
<td>UCF Students Attending a Non-SUS Institution</td>
<td>58</td>
</tr>
<tr>
<td>Enrollment and Degree Verifications</td>
<td>58</td>
</tr>
<tr>
<td>Withdrawal Policy</td>
<td>59</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>Attendance, Absences, or 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 Observations</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 Unenrolled</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>The Attempt Course Repeat Surcharges</td>
<td>64</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><strong>Undergraduate Degree Requirements.</strong></td>
<td>70</td>
</tr>
<tr>
<td>Requirements for Graduation</td>
<td>70</td>
</tr>
<tr>
<td>Choice of Catalog (Catalog Year) and Continuous Enrollment</td>
<td>70</td>
</tr>
<tr>
<td>General Education Program (GEP)</td>
<td>70</td>
</tr>
<tr>
<td>Diversity Requirement</td>
<td>71</td>
</tr>
<tr>
<td>Exams</td>
<td>72</td>
</tr>
<tr>
<td>Foreign Language Proficiency Requirement</td>
<td>72</td>
</tr>
<tr>
<td>SUS Foreign Language Admission Requirement</td>
<td>72</td>
</tr>
<tr>
<td>The Gordon Rule</td>
<td>72</td>
</tr>
<tr>
<td>Student Attendance Requirement</td>
<td>73</td>
</tr>
<tr>
<td>Admission to the Upper Division</td>
<td>74</td>
</tr>
<tr>
<td>Graduation Application Deadline</td>
<td>74</td>
</tr>
<tr>
<td>Correspondence Courses</td>
<td>74</td>
</tr>
</tbody>
</table>
# Table of Contents

## Two Degrees
- Double Majors ........................................... 74
- Two Degrees ........................................... 74
- More Than Two Majors or More Than Two Degrees .... 74

## Academic Degrees, Majors and Minors

- Burnett School of Biomedical Sciences ............... See College of Medicine
- The Burnett Honors College .......................... 77
- College of Arts and Humanities ..................... 79
- College of Business Administration ................. 84
- College of Education and Human Performance .... 88
- College of Engineering and Computer Science ...... 92
- Reserve Officer Training Corps ....................... 99
- College of Health and Public Affairs ............... 101
- College of Medicine ................................ 104
- College of Nursing ................................ 106
- College of Optics and Photonics ..................... 107
- College of Sciences ................................ 109
- Office of Undergraduate Studies ..................... 113
- Rosen College of Hospitality Management .......... 115

## UCF Degree Programs

- UCF Undergraduate Catalog 2014-2015

<table>
<thead>
<tr>
<th>Field of Study</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>116</td>
</tr>
<tr>
<td>Advertising</td>
<td>119</td>
</tr>
<tr>
<td>Aerospace</td>
<td>121</td>
</tr>
<tr>
<td>Anthropology</td>
<td>123</td>
</tr>
<tr>
<td>Architecture</td>
<td>125</td>
</tr>
<tr>
<td>Art: Emerging Media Track (B.F.A.)</td>
<td>129</td>
</tr>
<tr>
<td>Art: History Track</td>
<td>130</td>
</tr>
<tr>
<td>Art: Studio Art Track (B.F.A.)</td>
<td>131</td>
</tr>
<tr>
<td>Art: Studio Track</td>
<td>133</td>
</tr>
<tr>
<td>Art: Visual Arts and Emerging Media Management Track</td>
<td>135</td>
</tr>
<tr>
<td>Art Education</td>
<td>137</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>140</td>
</tr>
<tr>
<td>Biology</td>
<td>142</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>148</td>
</tr>
<tr>
<td>Biomedical Science - Preprofessional Concentration</td>
<td>149</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>153</td>
</tr>
<tr>
<td>Business Administration</td>
<td>155</td>
</tr>
<tr>
<td>Chemistry</td>
<td>157</td>
</tr>
<tr>
<td>Chemistry - Biochemistry Track</td>
<td>159</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>161</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>163</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>166</td>
</tr>
<tr>
<td>Computer Science</td>
<td>168</td>
</tr>
<tr>
<td>Construction Engineering</td>
<td>169</td>
</tr>
<tr>
<td>Critical Justice</td>
<td>171</td>
</tr>
<tr>
<td>Criminal Justice Scholar’s Track</td>
<td>173</td>
</tr>
<tr>
<td>Digital Media</td>
<td>174</td>
</tr>
<tr>
<td>Early Childhood Development and Education</td>
<td>176</td>
</tr>
<tr>
<td>Track: Early Childhood Development - Primary (PK-3)</td>
<td>178</td>
</tr>
<tr>
<td>Track: Early Childhood Development</td>
<td>179</td>
</tr>
<tr>
<td>Track: Early Childhood Careers</td>
<td>181</td>
</tr>
<tr>
<td>Economics</td>
<td>183</td>
</tr>
<tr>
<td>Economics, Business</td>
<td>184</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>186</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>188</td>
</tr>
<tr>
<td>English - Creative Writing</td>
<td>191</td>
</tr>
<tr>
<td>English - Literature</td>
<td>192</td>
</tr>
<tr>
<td>English - Technical Communication</td>
<td>194</td>
</tr>
<tr>
<td>English Language Arts Education</td>
<td>195</td>
</tr>
<tr>
<td>Environmental Engineering</td>
<td>199</td>
</tr>
<tr>
<td>Event Management</td>
<td>201</td>
</tr>
<tr>
<td>Film (B.F.A.)</td>
<td>202</td>
</tr>
<tr>
<td>Film - Cinema Studies Track</td>
<td>204</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>205</td>
</tr>
<tr>
<td>Forensic Science - Analysis Track</td>
<td>208</td>
</tr>
<tr>
<td>Forensic Science - Biochemistry Track</td>
<td>210</td>
</tr>
<tr>
<td>French</td>
<td>212</td>
</tr>
<tr>
<td>General Business</td>
<td>213</td>
</tr>
<tr>
<td>Health Informatics and Information Management</td>
<td>214</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>217</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>219</td>
</tr>
<tr>
<td>History</td>
<td>221</td>
</tr>
<tr>
<td>Hospitality Management</td>
<td>221</td>
</tr>
<tr>
<td>Human Communication</td>
<td>222</td>
</tr>
<tr>
<td>Humanities and Cultural Studies</td>
<td>226</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>228</td>
</tr>
<tr>
<td>Information Technology</td>
<td>230</td>
</tr>
<tr>
<td>Interdisciplinary Studies</td>
<td>231</td>
</tr>
<tr>
<td>Interdisciplinary Studies - Environmental Studies Track</td>
<td>232</td>
</tr>
<tr>
<td>Interdisciplinary Studies - Women’s Studies Track</td>
<td>234</td>
</tr>
<tr>
<td>International and Global Studies</td>
<td>235</td>
</tr>
<tr>
<td>Journalism</td>
<td>237</td>
</tr>
<tr>
<td>Latin American Studies</td>
<td>239</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>241</td>
</tr>
<tr>
<td>Management</td>
<td>243</td>
</tr>
<tr>
<td>Marketing</td>
<td>246</td>
</tr>
<tr>
<td>Mathematics</td>
<td>248</td>
</tr>
<tr>
<td>Mathematics Education</td>
<td>252</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>255</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>257</td>
</tr>
<tr>
<td>Music</td>
<td>258</td>
</tr>
<tr>
<td>Music - Jazz Studies Track</td>
<td>260</td>
</tr>
<tr>
<td>Music - Music Composition Track</td>
<td>262</td>
</tr>
<tr>
<td>Music - Music Performance Track</td>
<td>264</td>
</tr>
<tr>
<td>Music Education</td>
<td>268</td>
</tr>
<tr>
<td>Nursing</td>
<td>273</td>
</tr>
<tr>
<td>Nursing - Concurrent A.S.N. to B.S.N. enrollment option</td>
<td>275</td>
</tr>
<tr>
<td>Nursing - R.N. to B.S.N. Program</td>
<td>277</td>
</tr>
<tr>
<td>Philosophy</td>
<td>279</td>
</tr>
<tr>
<td>Photography</td>
<td>281</td>
</tr>
<tr>
<td>Photonic Science and Engineering</td>
<td>282</td>
</tr>
<tr>
<td>Physics</td>
<td>284</td>
</tr>
<tr>
<td>Political Science</td>
<td>286</td>
</tr>
<tr>
<td>Political Science - Prelaw Track</td>
<td>289</td>
</tr>
<tr>
<td>Psychology</td>
<td>291</td>
</tr>
<tr>
<td>Public Administration</td>
<td>293</td>
</tr>
<tr>
<td>Radio - Television</td>
<td>295</td>
</tr>
<tr>
<td>Real Estate</td>
<td>297</td>
</tr>
<tr>
<td>Religion and Cultural Studies</td>
<td>299</td>
</tr>
<tr>
<td>Restaurant and Foodservice Management</td>
<td>301</td>
</tr>
<tr>
<td>Science Education - Biology</td>
<td>303</td>
</tr>
<tr>
<td>Science Education - Chemistry</td>
<td>305</td>
</tr>
<tr>
<td>Science Education - Physics</td>
<td>308</td>
</tr>
<tr>
<td>Social Science Education</td>
<td>310</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>312</td>
</tr>
<tr>
<td>Social Work</td>
<td>315</td>
</tr>
<tr>
<td>Sociology</td>
<td>317</td>
</tr>
<tr>
<td>Spanish</td>
<td>319</td>
</tr>
<tr>
<td>Sport and Exercise Science</td>
<td>321</td>
</tr>
<tr>
<td>Statistics</td>
<td>323</td>
</tr>
<tr>
<td>Technical Education and Industry Training</td>
<td>325</td>
</tr>
<tr>
<td>Theatre</td>
<td>327</td>
</tr>
<tr>
<td>Theatre - Musical Theatre Track</td>
<td>331</td>
</tr>
<tr>
<td>Theatre Studies</td>
<td>334</td>
</tr>
<tr>
<td>World Languages Education - French</td>
<td>336</td>
</tr>
<tr>
<td>World Languages Education - Spanish</td>
<td>338</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>341</td>
</tr>
</tbody>
</table>

## Minors

- Accounting | 345 |
- Actuarial Science | 345 |
- Aerospace Studies | 345 |
- Africana Studies | 346 |
- Aging Studies | 346 |
- American Studies | 349 |
- Anthropology | 347 |
- Anthropology in Multicultural Studies | 348 |
- Art - Studio | 349 |
- Art Education | 349 |
- Art History | 349 |
- Asian Studies | 350 |
- Astronomy | 350 |
- Bioengineering | 350 |
- Biology | 351 |
- Biomedical Sciences | 351 |
- Business | 352 |
- Chemistry | 352 |
- Coaching | 353 |
- Cognitive Sciences | 353 |
- Communication Sciences and Disorders | 354 |
- Community Arts - PAVE | 354 |
- Computer Science | 354 |
- Crime, Law, and Deviance | 355 |
- Criminal Justice | 355 |
- Dance | 355 |
- Digital Humanities | 356 |
- Digital Media | 356 |

UNIVERSITY OF CENTRAL FLORIDA
Table of Contents

Diplomacy ........................................ 356
Diversity and Social Inequality ................. 357
Early Childhood Development and Education .... 357
Economic Policy .................................. 358
Economics ....................................... 359
Education ....................................... 359
Emergency Management and Homeland Security . 359
Energy and Sustainability .......................... 360
Engineering Leadership ............................. 360
English - Creative Writing ......................... 361
English - Linguistics ................................ 361
English - Literature ................................ 361
English - Technical Communication ............... 362
English Language Arts Education .................. 362
Entrepreneurship .................................. 362
Environmental Studies ............................. 363
European Studies .................................. 363
Event Management .................................. 364
Exceptional Student Education ..................... 365
Film - Cinema Studies .............................. 365
Finance .......................................... 366
Fitness Training .................................... 366
Florida Studies ...................................... 366
French ............................................. 367
Global Peace and Security Studies .................. 367
Health Informatics and Information Management .... 368
Health Sciences ...................................... 368
Health Services Administration ..................... 368
History ............................................ 369
Hospitality Management ......................... 369
Human Communication .............................. 369
Humanities and Cultural Studies .................... 370
Information Technology ......................... 370
Integrative Robotics and Systems (IRS - Interdisciplinary) ... 370
International and Global Studies .................... 371
International Business .............................. 372
International Engineering .......................... 372
Italian .............................................. 373
Journalism ......................................... 373
Judaic Studies ...................................... 374
Latin American Area Studies ....................... 374
Leadership Studies .................................. 375
Legislative Studies .................................. 375
Magazine Journalism ................................ 376
Marketing .......................................... 376
Mass Communication ................................ 377
Mass Culture and Collective Behavior .............. 377
Mathematical Biology ................................ 377
Mathematics ........................................ 378
Mathematics Education .............................. 378
Medical Anthropology ................................ 379
Medical Sociology .................................. 379
Medical and Radiation Sciences ..................... 380
Middle Eastern Studies ............................. 380
Military Science .................................... 380
Music .............................................. 381
Nonprofit Management .............................. 381
Nonprofit Certification in Nonprofit Management .... 381
North American Indian Studies ...................... 382
Performing Arts Administration ..................... 382
Philosophy ......................................... 383
Physics ............................................. 384
Political Science .................................... 384
Political Science/Prelaw ............................. 384
Psychology ......................................... 385
Public Administration ................................ 385
Real Estate .......................................... 386
Religion and Cultural Studies ....................... 386
Russian Studies .................................... 387
Science Education .................................. 387
Secure Computing and Networks .................... 387
Social Science Education ......................... 389
Sociology .......................................... 389
Spanish ............................................. 388
Sport Business Management: Business Minor ....... 389
Sport Business Management: Minor for Non-Business Majors .... 389
Statistics .......................................... 390
Technical Education and Industry Training ........... 390
Technological Entrepreneurship ..................... 390
Terrorism Studies ................................... 391
Theatre ............................................. 391
Urban and Regional Planning ....................... 392
Women’s Studies ..................................... 392
World Comparative Studies .......................... 393
World Languages Education ......................... 394
- English for Speakers of Other Languages .................. 394
- Languages Other Than English ..................... 394
Writing and Rhetoric ................................ 395
Certificates ....................................... 396
Aging Studies ....................................... 396
Behavioral Forensics ................................ 396
Children’s Services .................................. 397
Crime Analysis and Crime Mapping ................. 397
Crime Scene Investigation ........................... 397
Criminal Profiling ................................... 398
Cultural Tourism .................................... 398
Diplomacy ......................................... 399
Educational Studies .................................. 399
Engineering Leadership .............................. 400
Finance: Banking ..................................... 400
Finance: Corporate Finance ......................... 400
Finance: Investments ................................ 401
Health Communication .............................. 401
Health Biology ...................................... 401
Judaic Studies ...................................... 402
Language Development and Disorders ............... 403
Leadership Studies .................................. 403
Marketing: e-Marketing .............................. 403
Marketing: Entertainment Marketing .................. 404
Marketing: Healthcare Marketing ..................... 404
Marketing: Retailing Management .................... 404
Marketing: Selling and Sales Management ................ 404
Marketing: Services Marketing ...................... 405
Marketing: Sport Marketing Management ............ 405
Native American Studies ............................. 405
Nonprofit Management .............................. 406
Public and Professional Writing ...................... 406
Real Estate: Mortgage Brokerage ..................... 406
Real Estate: Real Estate Appraisal ..................... 407
Real Estate: Real Estate Brokerage .................... 407
Security Management ................................ 407
Service-Learning .................................... 408
Substitute Teaching .................................. 408
Teaching English as a Foreign Language .............. 408
Translation and Interpretation ....................... 409
Victim Advocacy .................................... 409
Women’s Studies ..................................... 409
Accelerated Undergraduate-Graduate Programs ....... 411
Aerospace Engineering (B.S.E.E. / M.S.E.E. / M.S.A.E.) .... 411
Communication Sciences and Disorders (B.A. or B.S. / M.A.) ... 412
Computer Engineering (B.S.P.E. / M.S.P.E.) ........... 412
Computer Science (B.S. / M.S.) ....................... 414
Electrical Engineering (B.S.E.E. / M.S.E.E.) ............ 415
Health Informatics (B.A. / M.A.) ..................... 416
Industrial Engineering (B.S.I.E. / M.S.I.E.) ............ 418
Mechanical Engineering (B.S./M.S./M.S.M.E. or M.S.A.E.) .... 419
Nursing Second Degree B.S.N. Option (B.S.N.) ........ 420
Nursing R.N. to M.S.N. Option (B.S.N. / M.S.N.) .......... 422
UCF Legal Studies/Barry Law/Touro Law Legal Studies (B.A. / B.S. to J.D.) .......... 424
Articulated A.S. Programs .......................... 426
Applied Science ..................................... 426
Criminal Justice .................................... 427
General Business ................................... 428
Hospitality Management ............................. 430
Nursing A.S. to B.S.N. Track ......................... 431
Common Course Numbering System .................. 434
UCF Courses and Descriptions ....................... 439
University Faculty .................................... 535
Administrative Officers and Staff ..................... 555
Honorary Degrees Awarded .......................... 558
UCF Glossary ...................................... 559
Index ............................................... 561
University Administration

College of Engineering and Computer Science
Dean .................................................... Michael Georgiopoulos
Associate Dean, Academic Affairs and 
Director, College Honors Programs ........... Charles Reilly
Associate Dean, Research and Administration .... Ranganathan Kumar
Chair, Civil, Environmental and Construction Engineering . Mohammed Abdel-Aty
Chair, Computer Science Division ............... Gary T. Leavens
Chair, Electrical and Computer Engineering Division .... Zhihua Qu
Chair, Industrial Engineering and Management Systems . Waldy, Robert Genosto
Interim Chair, Materials Science and Engineering ... Sudipta Seal
Interim Chair, Mechanical and Aerospace Engineering .
Chair, Air Force ROTC (Aerospace Studies) ....... Suryanarayana Challapalli
Chair, Army ROTC (Military Science) ........... LTC Mario Johnson

College of Health and Public Affairs
Dean .................................................... Michael L. Frumkin
Associate Dean, Academic Affairs and Technology ... Ross Wolf
Associate Dean, Administration and Faculty Affairs ........... Dawn Oetjen
Associate Dean, Research ........................... Thomas Wan
Associate Dean, Student/Personnel Affairs ........... Melvin Rogers
Director, School of Public Administration .... Mary Ann Feldheim
Director, School of Social Work .................... Bonnie Yegidis
Director, Undergraduate Student Services .... Mariangely Rente
Chair, Communication Sciences and Disorders .... Richard Zrack
Interim Chair, Criminal Justice ..................... Roberto Potter
Interim Chair, Health Management and Informatics .... Reid Oetjen
Interim Chair, Health Professions ................... Kristen Schellhase
Chair, Legal Studies ................................. James Beckman

College of Medicine
Vice-President for Medical Affairs and Dean .......... Deborah C. German
Interim Associate Dean, Research .................. Sampath Parthasarathy
Associate Dean, Academic Affairs (Burnett School)  . Roseann White
Executive Director, Facilities (Burnett School) ............ Zafar Rana
Chair, Clinical Sciences .............................. Ralph Caruana
Chair, Medical Education ............................ David Balkwill
Director, Student Services and Advisement (OSSA) .... Amanda Colee

College of Nursing
Interim Dean ............................................ May Lou Sole
Associate Dean, Undergraduate Affairs .............. Maureen M. Covelli
Associate Dean, Graduate Affairs ................. David J. Hagan

College of Optics and Photonics
Dean and Director .................................... Bahaa Saleh
Associate Dean, Academic Affairs ................. Susan Chase

College of Sciences
Dean .................................................... Michael Johnson
Associate Dean ...................................... Arlen F. Chase
Associate Dean ...................................... Teresa Dorman
Associate Dean ...................................... Jack M. McGuire
Chair, Academic Affairs ............................. Cynthia Young
Director, Nicholson School of Communication .... Robert C. Chandler
Chair, Anthropology ................................. Arlen F. Chase
Chair, Biology ......................................... Laurie von Kalm
Chair, Chemistry ..................................... Kevin D. Belfield
Chair, Mathematics ................................... Piotr Mikusinski
Chair, Physics ......................................... Talat Rahman
Chair, Political Science ............................... Kerstin Hamann
Chair, Psychology .................................... Jeffrey Cassisi
Chair, Sociology ...................................... Jana Jasinski
Chair, Statistics ....................................... David M. Nickerson

Rosen College of Hospitality Management
Dean .................................................... Abraham Pizam
Associate Dean ...................................... Tadayuki Hara
Associate Dean ...................................... Youchien Wang

UNIVERSITY OF CENTRAL FLORIDA
# 2014 SUMMER ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th></th>
<th>Session A</th>
<th>Session B</th>
<th>Session C</th>
<th>Session D</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>May 12 - June 20</td>
<td>June 23 - August 1</td>
<td>May 12 - August 1</td>
<td>May 12 - July 11</td>
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<tr>
<td></td>
<td>6 Weeks</td>
<td>6 Weeks</td>
<td>12 Weeks</td>
<td>9 Weeks</td>
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<td>Application Deadline for All New Undergraduates</td>
<td>March 1</td>
<td>March 1</td>
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<tr>
<td>Application Deadline for Readmission</td>
<td>April 1</td>
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<tr>
<td>Application Deadline for Graduate Programs</td>
<td>April 14</td>
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<tr>
<td>Without Deadline</td>
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<td>Graduation Application</td>
<td>Mar. 3 - Apr. 21</td>
<td>Mar. 3 - Apr. 21</td>
<td>Mar. 3 - Apr. 21</td>
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<tr>
<td>(Online Intent to Graduate Form on myUCF)</td>
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<tr>
<td>Housing Payment Due</td>
<td>April 25</td>
<td>June 13</td>
<td>April 25</td>
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<tr>
<td>Registration 1,2 on myUCF</td>
<td>Mar. 17 - May 11</td>
<td>Mar. 17 - June 22</td>
<td>Mar. 17 - May 11</td>
<td>Mar. 17 - May 11</td>
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<tr>
<td>Registration for State Employees, UCF Employees, UCFAA Employees, Non-Degree, Transients, and Audits (begins 3:00 p.m.)</td>
<td>May 9</td>
<td>June 20</td>
<td>May 9</td>
<td>May 9</td>
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<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>May 9</td>
<td>June 20</td>
<td>May 9</td>
<td>May 9</td>
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<td>On-campus Housing opens</td>
<td>May 10</td>
<td>June 20</td>
<td>May 10</td>
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<td>Classes begin</td>
<td>May 12</td>
<td>June 23</td>
<td>May 12</td>
<td>May 12</td>
</tr>
<tr>
<td>Late Registration 1,2 on myUCF</td>
<td>May 12-16</td>
<td>June 23-27</td>
<td>May 12-16</td>
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<td>(ends at 11:59 p.m. on last day)</td>
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<tr>
<td>Last Day to Drop for Full Refund</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
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<tr>
<td>Drop/ Swap Deadline on myUCF</td>
<td>May 15</td>
<td>June 26</td>
<td>May 15</td>
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<td>(ends at 11:59 p.m.)</td>
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<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>May 16</td>
<td>June 27</td>
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<td>Grade Forgiveness Deadline on myUCF</td>
<td>June 5</td>
<td>July 17</td>
<td>June 30</td>
<td>June 17</td>
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<tr>
<td>(ends at 11:59 p.m.)</td>
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<td>Withdrawal Deadline</td>
<td>June 5</td>
<td>July 17</td>
<td>June 30</td>
<td>June 17</td>
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<tr>
<td>(ends at 11:59 p.m.)</td>
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<td>Last Day to Reinstatement for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 13</td>
<td>July 25</td>
<td>June 13</td>
<td>June 13</td>
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<tr>
<td>VA Deferral Payment Deadline 2</td>
<td>July 25</td>
<td>July 25</td>
<td>July 25</td>
<td>July 25</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>June 20</td>
<td>August 1</td>
<td>August 1</td>
<td>July 11</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>On-campus Housing closes</td>
<td>June 20</td>
<td>August 1</td>
<td>August 1</td>
<td>N/A</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>June 25</td>
<td>August 6</td>
<td>August 6</td>
<td>July 16</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>June 26</td>
<td>August 8</td>
<td>August 8</td>
<td>July 17</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 2</td>
<td>August 2</td>
<td>August 2</td>
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</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 Initiatives 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 26, 2014
- **Independence Day Holiday** .............................................. July 4, 2014
<table>
<thead>
<tr>
<th>Event</th>
<th>Fall 2014</th>
<th>Spring 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1, 2014</td>
<td>September 2, 2014</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1, 2014</td>
<td>November 1, 2014</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Transfers</td>
<td>July 1, 2014</td>
<td>November 1, 2014</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1, 2014</td>
<td>December 1, 2014</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 23 - August 1, 2014</td>
<td>October 17, 2014 - Jan. 4</td>
</tr>
<tr>
<td>Registration on myUCF</td>
<td>March 17 - August 17, 2014</td>
<td>October 20, 2014 - Jan. 4</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>August 1, 2014</td>
<td>December 5, 2014</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree Transients and Audits (begins 3:00 p.m.)</td>
<td>August 15, 2014</td>
<td>January 2, 2015</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 15, 2014</td>
<td>January 2, 2015</td>
</tr>
<tr>
<td>On-campus Housing opens</td>
<td>August 15, 2014</td>
<td>January 9, 2015</td>
</tr>
<tr>
<td>Classes Begin</td>
<td>August 18, 2014</td>
<td>January 12, 2015</td>
</tr>
<tr>
<td>Late Registration on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 18-22, 2014</td>
<td>January 12-16, 2014</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 21, 2014</td>
<td>January 15, 2014</td>
</tr>
<tr>
<td>Last Day to Drop for Full Refund</td>
<td>August 21, 2014</td>
<td>January 15, 2014</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 22, 2014</td>
<td>January 16, 2015</td>
</tr>
<tr>
<td>Academic Advising Weeks</td>
<td>October 6-17, 2014</td>
<td>October 6-17, 2014</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF</td>
<td>October 27, 2014</td>
<td>March 24, 2015</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>October 27, 2014</td>
<td>March 24, 2015</td>
</tr>
<tr>
<td>Last Day to Reinstake Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>October 27, 2014</td>
<td>March 30, 2015</td>
</tr>
<tr>
<td>VA Deferral Payment Deadline</td>
<td>November 28, 2014</td>
<td>April 10, 2015</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>December 1, 2014</td>
<td>April 27, 2015</td>
</tr>
<tr>
<td>Study Day</td>
<td>December 2, 2014</td>
<td>April 28, 2015</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>December 3-9, 2014</td>
<td>April 29 - May 5</td>
</tr>
<tr>
<td>On-campus Housing closes (noon)</td>
<td>December 10, 2014</td>
<td>May 6, 2015</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 12, 2014</td>
<td>May 7, 2015</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>December 12, 2014</td>
<td>May 8, 2015</td>
</tr>
<tr>
<td>Commencement</td>
<td>December 12-13, 2014</td>
<td>May 7-9, 2015</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 16, 2014</td>
<td>May 11, 2015</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 Initiatives at 407-823-6479.

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### University Holidays and Special Events

- **Labor Day Holiday** ............................................. September 1, 2014
- **Homecoming Week (classes still held)** ......................... October 20-25, 2014
- **Homecoming Game - vs. Temple** ................................ October 25, 2014
- **Veterans Day Holiday (observed)** ............................ November 11, 2014
- **Thanksgiving Holidays** ........................................ November 27-29, 2014
- **Martin Luther King Jr. Holiday** .............................. January 19, 2015
- **Spring Break (campus offices still open)** .................... March 9-14, 2015
- **Founder’s Day Honors Convocation (classes still held)** .... April 1, 2015
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 always reflect new and modified regulations. Students 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 commu-
ity. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, gender identity, gender expression, or veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwel-
come 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 an individual’s 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; or
3. Such conduct 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.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Employees, students, visitors, or applicants for employment or admis-
sion may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimi-
nation. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEO. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

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, dispensing, pos-
session or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on 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 to report to work/class 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 a drug or alcohol disorder and for disciplinary action up to and including termination/expulsion and/or referral for prosecution consis-
tent with local, state and federal law.

Campus Alcoholic Beverages Policy
The sale, service, possession and consumption of alcoholic bever-
ages shall comply with state and federal laws, city and county ordi-
nances, and the licensing agreement with on-campus distributors which allows for the sale and service of alcoholic beverages. In addition the University has developed the following policies governing the sale, ser-
vice, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 for further information.

Guidelines
The sale and service of alcoholic beverages to persons younger than 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, drugs, and other mind-altering chemicals.

Student organizations may develop more stringent regulations regarding alcoholic use.

Locations
The sale of alcoholic beverages to individuals of legal age will be per-
mitted 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, 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 pro-
hibited by the governing organization. Consumption of alcoholic bever-
ages 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
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, begin-
ning and ending times, and location of event; number in attendance and method of registering guests; method of designation for those of age/ under age; 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.

For the complete and definitive version of the Drug-Free Workplace/ Drug-Free Schools Policy Statement, please go to: http://www.goldenrule.sdces.ucf.edu/.

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 standing, examinations or grades.

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 violation 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. Recommended configurations can be found at http://www.cstore.ucf.edu/page.cfm/recommendations.html.

Undeclared Policy

All students at the University of Central Florida are officially declared 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.knightemail.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 Computer Services 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 the 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.

College/Discipline  
Arts and Humanities  
Music, Music Education  
Accrediting Body  
National Association of Schools of Music (NASM)

Business Administration  
(all disciplines)  
Accrediting Body  
The Association to Advance Collegiate Schools of Business (AACSB International)

Education and Human Performance  
(initial teacher certification)  
Accrediting Body  
State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave., NW, Suite 500, Washington, DC 20036

Engineering and Computer Science  
Aerospace, Civil, Computer, Construction, Electrical, Environmental, Industrial, Mechanical Engineering  
Accrediting Body  
Accredited by the Engineering Accreditation Commission of ABET, 415 North Charles Street, Baltimore, MD 21201, Telephone: (410) 347-7700

Computer Science  
Accrediting Body  
Accredited by the Computing Accreditation Commission of ABET, 415 North Charles Street, Baltimore, MD 21201, Telephone: (410) 347-7700

Health and Public Affairs  
Athletic Training  
Accrediting Body  
Commission on Accreditation of Athletic Training Education (CATIE), 6836 Austin Center Boulevard, Suite 250, Austin, TX 78731-3193

Health Informatics and Information Management  
Accrediting Body  
Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800

Health Services Administration  
Accrediting Body  
Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201

Social Work  
Accrediting Body  
Council on Social Work Education (CSWE), 1701 Duke Street, Suite 200, Alexandria, VA 22314-3457

College of Medicine - Burnett School of Biomedical Sciences  
Medical Laboratory Sciences  
Accrediting Body  
National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119

Nursing  
Nursing  
Accrediting Body  
Florida Board of Nursing, Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC 20036

University Notices
University Notices

Sciences
Chemistry

American Chemical Society (ACS)
Committee on Professional Training,
1155 Sixteenth Street, NW,
Washington, DC 20036

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.
Attractive Amenities: UCF is the nation’s second-largest university and is located in one of the most dynamic and vibrant communities in the country – the Orlando metroplex. UCF’s 1,415-acre main campus provides modern facilities, most of which have wireless capability, with approximately 600 acres set aside for lakes, woods and an arboretum.

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering and 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 scientists searching for cures for cancer and other diseases, future doctors learning about the latest advances in health care, and patients receiving high-quality care.

Nearly 60,000 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 to almost 80,000 students, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF continues to attract many of the nation’s best and brightest students. The fall freshman class for the 2013-14 academic year posted an average SAT score of 1248 and a high school grade-point average of 3.9. A total of 247 National Merit Scholars enrolled in fall 2013. UCF also continues to become more diverse each year, with four of every 10 students in fall 2013 classified as minority students.

Attractive Amenities: The 45,000-seat Bright House Networks Stadium opened in September 2007 on the north end 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, visitors and area residents.

UCF’s newly expanded Recreation and Wellness Center features a three-story climbing wall, an indoor track and myriad 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 clinic supports a full-service health clinic with on-site professionals, X-ray capabilities, a pharmacy, a dental clinic, a medical laboratory and physical therapy services.

The Career Services and Experiential Learning building features 17 private interview rooms, in addition to boardroom-style suites where candidates 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. UCF also has been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine.

UCF also was named one of the nation’s five “Next Generation Universities” by the New America Foundation. The 2013 report praised UCF for increasing access to students and achieving higher graduation rates in a cost-effective manner and also for emphasizing partnerships as a way to grow.

Center for Distributed Learning

Associate Vice President: Thomas B. Cavanagh

UCF Center for Distributed Learning, 3100 Technology Parkway, Orlando, 32826; 407-823-4910

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, providing leadership in distance learning 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 certificate 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.

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 values described below.

Online instruction modes are:

WORLD WIDE WEB (W): These are courses conducted via web-based instruction and collaboration. Some courses may require minimal campus attendance or in-person/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 substitutes 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 and classroom attendance is not required. Other required activities that substitute for video instruction may include any of the following elements: web activity, in-person or proctored examinations, and labs. See course notes for details.

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 multiple non-residential locations 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 include 26 bachelor’s programs, 25 minors, 8 master’s degrees, and 6 graduate certificates with 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, disability services, veteran’s affairs, “smart classrooms,” libraries, computer labs, and more.

UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. 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. Times and dates for all courses are listed online prior to registration 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 Eastern Florida State College, Lake-Sumter State College, Seminole State College and Valencia College. This agreement provides entry for AA and AS graduates to UCF as an enhancement to the FL state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when AA or AS degrees are awarded.

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. In addition, 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.
University of Central Florida/Campuses

Administration
UCF Regional Campuses (RC) Administration
12201 Research Parkway, Suite 101
Orlando, 32826; 407-823-4547

Vice Provost, Regional Campuses and
Director, Continuing Education ........................................... J. Jeffrey Jones
Senior Administrative Assistant ..................................... Kathi Harris
Associate Vice President, Academic Initiatives ......................... Stephen Holmes
Director, Special Programs ................................................. Jennifer Sumner
Associate Director, Academic Initiatives .................................. Waheeda Illasarie
Associate Director, Academic Initiatives .................................. Mary Lynn Bresette
Assistant Director, Continuing Education ............................... Katie Reyes
Facilities Scheduler ............................................................. Denise DeVlin
Coordinator, Statistical Research ......................................... Jeanne Walker
Associate Vice President, Regional Campus Transfer

Admission & Enrollment/Marketing ......................................... Angé Peterson
Director, RC Enrollment Services ........................................ Deborah Bradford
Marketing Account Executive .............................................. Michelle Fuentes
Web Designer ................................................................. Tony Recascino
Assistant Web Support ..................................................... Minesh Patel
Senior Art Specialist .......................................................... Mary Lou Wade
Director, Library Services .................................................. Cynthia Kisby
Assistant Vice Provost, Regional Campuses and Operations .......................... David Laney
Administrative Assistant ................................................... Jeanette Holder
Director, Budget & Finance ................................................ Joe Schofield
IT Supervisor ............................................................................ Aaron Misiano
College/Division IT Project & Testing Manager .................. Calston Llewellyn

Campuses

UCF Valencia West, UCF Valencia Osceola

Assistant Vice Provost ........................................................ TBA
Regional Director, West ...................................................... Edgar Martinez
Assistant Director, Osceola .................................................. James Smith, Jr.
Assistant Director, Enrollment Services, West ...................... Kathy Voudry
Coordinator, Enrollment Services, West ......................... Shellie Thomas-Small
Coordinator, Enrollment Services, Osceola ....................... Jessica Matos
Associate Director, Student Services, West ...................... Carol Black
Assistant Director, Advising Services, West ...................... Lisa Cruz
Coordinator, Academic Advisor, Osceola ............................ Melissa Hanbery
Coordinator, Academic Advisor, Osceola ............................ Salma Mohamed
Coordinator, DirectConnect Advisor, West .................... Lourdes Acevedo
Coordinator, DirectConnect Advisor, Osceola ................... Kim Martinez
Department IT Manager ...................................................... Jacqueline Diaz
Administrative Assistant ..................................................... Tanya Armstrong

UF Daytona

Assistant Vice President ..................................................... Linda Bradley
Regional Associate Director ............................................... Darryl Greeley
Associate Director, Student Services ................................. Raphel Robinson
Senior Admissions/Registrar Officer .................................. Sheri Newble-Dunn
Coordinator, Academic Advisor ................................. Tina Davis
Coordinator, Academic Advisor ................................. Virginia LaRue
Coordinator, Academic Advisor ................................. Angela Edwards-Johnson
Coordinator, Administrative Services ......................... Bonnie Marsh
Department IT Manager ...................................................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte

Associate Vice President ................................................... David Meador
Regional Director .............................................................. Sean Armstrong
Assistant Director, Enrollment Services ......................... Pamela Williams
Coordinator, Student Services ........................................... Ashley Squillante
Coordinator, DirectConnect Advisor ............................... Sarah Zoll
Coordinator, Academic Advisor ................................. Jackie West-Lee
Coordinator, Academic Advisor ................................. Andrea Velez-Vazquez
Department IT Manager ...................................................... Russell Muller
Administrative Assistant ..................................................... Debbie Copertino

UCF Cocoa, UCF Palm Bay

Associate Vice President ................................................... Denise Young
Regional Director .............................................................. Lauren Miller
Associate Director, Student Services ............................ Angela Jones
Assistant Director, Palm Bay .............................................. Sonya Curtis
Assistant Director, Enrollment Services ......................... Nick Piantoni
Coordinator, DirectConnect Advisor ......................... Kim Poppert
Coordinator, Academic Advisor ................................. Angel Edgecombe
Coordinator, Academic Advisor ................................. Patricia Terrill
Coordinator, Academic Advisor, Palm Bay ...................... John King
Coordinator, Academic Advisor ................................. Sheryl Schagen
Coordinator, Enrollment Services ................................. Jessica Houts
Department IT Manager ...................................................... Sue Sorenson
Administrative Assistant ................................................... Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg

Assistant Vice President ...................................................... Cecelia Rivers
Regional Director .............................................................. Tanya Armstrong
Assistant Director, Enrollment Services ......................... Christy Pasinski
Coordinator, Enrollment Services ............................... Thomas Silarek
Coordinator, DirectConnect Advisor ............................. Colleen Scott
Coordinator, Academic Advisor ................................. Robin Tinsley
Coordinator, Academic Advisor ................................. Bethany Larson
Coordinator, Academic Support Services, Ocala ....... Crystal Flynn
Department IT Manager ...................................................... Mei Wong
Administrative Assistant ..................................................... Lita Reyes

UCF Cocoa
321-433-7821
(In partnership with Eastern Florida State College)

Undergraduate Degree Programs

Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development and Supervision and Administration

Business Administration (B.A.) College of Business Administration

Communication and Conflict (B.S.) College of Sciences

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

Criminal Justice (B.A., B.S.) College of Health and Public Affairs

Elementary Education (B.S.) College of Education and Human Performance

Health Services Administration (B.S.) College of Health and Public Affairs

History (B.A.) College of Arts and Humanities

Human Communication (B.A.) College of Sciences

Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies

Latin American Studies (B.A.) College of Arts and Humanities

Legal Studies (B.A., B.S.) College of Health and Public Affairs

Nursing (B.S.N., R.N. to B.S.N.) College of Nursing

Political Science (B.A.) College of Sciences

Psychology (B.S.) College of Sciences

Religion and Cultural Studies (B.A.) College of Arts and Humanities

Sociology (B.A.) College of Sciences

Social Science (B.S.) College of Sciences

Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors

Aging Studies

Anthropology in Multicultural Studies

Business (For non-business majors only)

Communication Sciences and Disorders

Criminal Justice

Crime, Law and Deviance

Diversity and Social Inequality

English – Technical Communication

Exceptional Education

Health Informatics and Information Management

Health Services Administration

History

Human Communication

International and Global Studies

Journalism Studies

Legal Studies

Mass Communication

Mass Culture and Collective Behavior

Medical Sociology

Political Science

Psychology

Religious and Cultural Studies

Sociology

Technical Education and Industry Training

Women's Studies

Graduate Degree Programs

Applied Sociology (M.A.) College of Sciences

Criminal Justice (M.S.) College of Health and Public Affairs

16

Undergraduate Catalog 2014-2015
UCF Daytona Beach
386-506-4021
(In partnership with Daytona State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Nursing (B.S.N., R.N. to B.S.N.) College of Nursing
Photography (B.S.) College of Arts and Humanities
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religion and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Criminology, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
Exceptional Education
Health Informatics and Information Management
History
Human Communication
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies

Graduate Degree Programs
Criminal Justice (M.S.) College of Health and Public Affairs

UCF Ocala
352-854-2322, ext. 1824
(In partnership with Central Florida State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance (Cohort)
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Nursing (R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religious and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Sociology (B.A.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Criminology, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
History
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Leesburg
352-536-2113
(In partnership with Lake-Sumter State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Information Technology, Legal Studies, Software Development, and Supervision and Administration
Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religious and Cultural Studies (B.A.) College of Arts and Humanities
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (For non-business majors only)
Criminal Justice
Criminology, Law and Deviance
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
History
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies
University of Central Florida/Campuses

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
  Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Human Communications (B.A.) College of Sciences
Latin American Studies (B.A.) College of Arts and Humanities
Nursing (R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religion and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Technical Education and Industry Training (B.S) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (For non-business majors only)
Crime, Law and Deviance
Criminal Justice
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
Health Informatics and Information Management
Health Services Administration
History
Human Communication
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences
Criminal Justice (M.S) College of Health and Public Affairs

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
  Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Nursing (R.N. to B.S.N.) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religion and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Sports and Exercise Science (B.S.) College of Education and Human Performance
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Coaching
Crime, Law and Deviance
Criminal Justice
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
Fitness Training
Health Informatics and Information Management
History
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
  Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Early Childhood Education (B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
  Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Religion and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Technical Training and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (For non-business majors only)
Crime, Law and Deviance
Criminal Justice
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
Health Informatics and Information Management
Health Services Administration
History
Human Communication
International and Global Studies
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women’s Studies
Graduate Degree Programs
Criminal Justice (M.S.) College of Health and Public Affairs

UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)

Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
  Tracks: Criminal Justice, Health Services Administration, Information Technology, Software Development, and Supervision and Administration
Biomedical Sciences (B.S.) College of Medicine
Business Administration (B.A.) College of Business Administration
Communication and Conflict (B.S.) College of Sciences
Criminal Justice (B.A., B.S.) College of Health and Public Affairs
Elementary Education (B.S.) College of Education and Human Performance
Health Services Administration (B.S.) College of Health and Public Affairs
History (B.A.) College of Arts and Humanities
Interdisciplinary Studies (B.A., B.S.) Office of Undergraduate Studies
Latin American Studies (B.A.) College of Arts and Humanities
Legal Studies (B.A., B.S.) College of Health and Public Affairs
Nursing (R.N. to B.S.N. and Concurrent) College of Nursing
Political Science (B.A.) College of Sciences
Psychology (B.S.) College of Sciences
Public Administration (B.A.) College of Health and Public Affairs
Religion and Cultural Studies (B.A.) College of Arts and Humanities
Social Sciences (B.S.) College of Sciences
Technical Education and Industry Training (B.S.) College of Education and Human Performance

Undergraduate Minors
Aging Studies
Anthropology in Multicultural Studies
Business (for non-business minors)
Crime, Law and Deviance
Criminal Justice
Diversity of Social Inequality
English – Creative Writing
English – Technical Communication
Health Informatics and Information Management
International and Global Studies
Human Communication
Journalism Studies
Legal Studies
Mass Communication
Mass Culture and Collective Behavior
Medical Sociology
Political Science
Psychology
Religious and Cultural Studies
Sociology
Technical Education and Industry Training
Women's Studies

Graduate Degree Programs
Criminal Justice (M.S.) College of Health and Public Affairs

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 1976. 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 create an environment conducive to the location of research-oriented 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 residents.

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 lease space for office, office/lab, or light manufacturing activities.

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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 laboratories 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 continual dialog on major economic issues, commerce, economic systems, and economic decision-making in business. Chair: TBA.

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: Narsinh D. Deo.

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: Byron Clercx.

Carl H. Galloway Chair for Excellence in Business: Created in 1986 to honor Carl Galloway, a pioneer in telecommunications. The purpose is to enhance scholarly activity in teaching and research in the College of Business Administration. Chair: TBA.

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1986 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: TBA.

Darden Eminent Scholar Chair in Restaurant Management: Created in 1990 to develop a program of excellence in restaurant management. This chair, the first of its kind in the country, also serves as a critical resource for the hospitality industry. Chair: TBA.

SunTrust, N.A. Eminent Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. Chair: TBA.

Al and Nancy Burnett Eminent Scholar Chair in Accounting: Created in 1990 to support an exceptional faculty member in the School of Accounting. Chair: Robin W. Roberts.

Bert Fish Memorial Eminent Scholar Chair: Created in 1990, the first chair to be established at the Daytona Campus, to improve nursing education and ease the shortage of nurses. Chair: Angeline A. Bushy.


CFHLA Eminent Scholar Chair in Hotel Management: Created in 2000 to support the teaching and research of an internationally recognized scholar in hotel management. Chair: TBA.

Linda Chapin Eminent Scholar Chair in Tourism Management: Created in 2002 to support the teaching and research of an internationally recognized scholar in tourism management. Chair: Abraham Pizam.

William Peeper Eminent Scholar Chair in Destination Marketing: Created in 2002 to support the teaching and research of an internationally recognized scholar in destination marketing. Chair: TBA.

Mildred W. Coyle Eminent Scholar Chair: Created in 2000 to support the teaching and research of an internationally recognized scholar in various disciplines of professional education. Chair: Sandra L. Robinson.

Robert N. Heintzelman Eminent Scholar Chair: Created in 2002 to conduct research into the determination of the basic cause of greed in humanity and to determine the appropriate manner and methods of eliminating the cause of greed and fostering altruism. Chair: Edward H. Robinson, III.

DeVos Eminent Scholar in Sport Business Management Endowed Scholar Chair: Created in 2001 to attract a nationally or internationally prominent scholar in the field of sports, with a strong commitment to graduate sport business management programs. Chair: Richard E. Lapchick.

Richard T. Crotty Orange County Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar to conduct research in his/her primary field and to assist in the development of research, programs, and support service as the faculty liaison to the Institute for Economic Competitiveness, College of Business Administration. Chair: TBA.

Florida Photonics Center of Excellence Eminent Scholar Chair of Nanophotonics: Created in 2003 to strengthen and support teaching and research in the field of nanophotonics at the College of Optics and Photonics. Chair: Dennis Dopke.
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 advice 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 Office, 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 by the Ombuds Office unless otherwise authorized by the complainant, or otherwise required by applicable law, including without limitation, Chapter 119, Florida Statutes. The University Ombuds Office is located in Millican Hall, Suite 243, room 247. Appointments may be made by calling 407-823-6440.

Office of Undergraduate Studies
Interim Vice Provost and Dean: Elliot Vittes
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

The Office 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 undergraduate 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 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; 407-823-2691
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 timely response to requests from students, faculty, and staff; and to maintain accurate and effective records for advisement and graduation certification.

International Services Center
Executive Director: Nataly Chandra
CMMS (Building #81); 407-823-2337
http://www.intl.ucf.edu/

The International Services Center (ISC) facilitates compliance with federal immigration regulations and provides immigration advising and assistance to the international students and scholars at the University of Central Florida. ISC supports the international population in its adjustment to a new academic and cultural environment by providing a wide range of services and programming. Services include: admissions guidance, interpreting immigration regulations, explaining employment options, issuing travel authorization signatures, and end of year tax filing guidance. Programming includes: orientation, welcome week activities, employment and tax workshops, holiday celebrations, and International Education Week events. From orientation to graduation, ISC strives to enhance the overall educational experience at UCF for its international students and scholars and to increase cultural awareness and understanding on campus. ISC 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.

UCF Public Safety and Police
Chief of Police: Richard Bearry
3610 Libra Drive, Orlando, FL 32816; Building #150; 407-823-5242
http://www.police.ucf.edu/

The UCF Police Department is a full-service law enforcement agency that prides itself on providing professional services to the university community through prevention, education and enforcement. Officers are fully sworn with all of the law enforcement powers and duties of other agencies. UCF Police officers provide services 24 hours a day, seven days a week to the university community. In 2013, the department received accreditation by the Commission for Florida Law Enforcement Accreditation, which means it meets the highest law enforcement practices and standards.

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. UCF Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to 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 160 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.

The Patrol Division provides proactive police services to the campus community by means of foot patrols and marked vehicle patrols. Within the division, specialized units such as K-9, motorcycle, bicycle and all-terrain vehicle patrols are utilized to meet the unique needs of an expanding urban university. The Regional Campuses Division is assigned to patrol the College of Medicine at Lake Nona and the Rosen College of Hospitality Management campuses. Officers also will visit all regional campus locations at various times. Medical school and Rosen units are supplemented by Civilian Service Officers.

The Investigations Division consists of five detectives, a forensic technician and a criminal analyst who conduct latent investigations for all criminal cases. Detectives are on-call 24 hours a day, seven days a week and respond to crime scenes as needs require.

The Community Relations Division (407-823-3224) offers crime prevention services and tips regarding the protection of personal property and safety. Two of the services that are recommended for all students, faculty and staff are online property registration and free engraving of items for easy identification. Officers speak to each student and parent orientation group and provide brochures on police 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 at 407-823-2424 and provides a safe escort to vehicles and dorms on campus.

UNIVERSITY OF CENTRAL FLORIDA
University of Central Florida/Campuses

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 Provost 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 related information resources. Units within the Division include the Library, Computer Services & Telecommunications, Instructional Resources, and the Center for Distributed Learning. 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 collection includes 2.5 million volumes, 43,000 journal subscriptions, 3.2 million microforms and 56,000 media titles. The Libraries’ electronic resources include 366 databases and 710,000 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 370 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 to connect to 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/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/Reference/ResearchConsultations/Default.php.

- Ask A Librarian service answers questions submitted through chat, text, instant message, email 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://infoll.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 Disability Services, students may request assistance with retrieval of materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with ZoomText and JAWS software, and a Sorenson Videophone. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

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 at 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 at http://library.ucf.edu/Systems/DigitalInitiatives/DigitalCollections/.

Branch Libraries
The Curriculum Materials Center (CMC) is located in the College of Education 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) 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management in the heart of the tourist corridor 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, including visit http://library.ucf.edu/Rosen or call (407) 903-8100.

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

- Services for Distance Learners http://library.ucf.edu/Services/DistanceServices.asp
- Regional Campus Libraries page http://library.ucf.edu/Regions

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
Director: Don Merritt
CB 203; 407-823-2571
http://library.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.

UNIVERSITY OF CENTRAL FLORIDA
Intercollegiate Athletics
Vice President and Director: Todd Stansbury
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 first season of membership in the American Athletic Conference, the Knights brought home the conference’s first-ever championship in women’s soccer. The UCF Football program won the American Athletic Conference title in the league’s first year of existence, bringing home the conference’s automatic bid to a BCS Bowl game.

UCF Athletics’ 89 percent graduation success rate is a school record and ranks No. 1 among Florida’s public universities.

During the past four years, UCF student-athletes have contributed a total of more than 360,000 hours of community service to the Central Florida region.

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolled 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 2007 full-time cohort is 67.3 percent. The retention rate for Summer-Fall full-time 2012 students is 57.1 percent. The information is public and available for review on the Institutional Research website.

CFE Arena at 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 graduation ceremonies, the Orlando Predators, and a diverse lineup of world-famous entertainers, beloved family shows and festivities rivaling any in the country.

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

Knights Plaza, home of the CFE Arena and The Venue, features an exciting mix of 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.

Campus Bookstores
UCF’s main campus is home to two Barnes & Noble 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 offers a complete line of UCF clothing, logo gift items, snacks, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.ucf.bncollege.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. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, 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 19 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 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 nine 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 six round trips between 7:20 a.m. and 10:45 p.m. Monday through Friday.

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 Central Florida’s professional classical theater. An AEA union company, the theater presents a signature series of Shakespeare and other plays, a theater for young audiences series, The Harriet Lake Festival of New Plays, and innovative educational programming that includes summer camps, a summer high school performance group, 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 in national publications such as The Wall Street Journal, Southern Living, Theater Week, Backstage, American Theater, Stage Directions and Southern Theater. 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

Executive Director: Tom Messina
FAIRWINDS Alumni Center; 407-UCF-ALUM (823-2586) or 800-330-ALUM (330-2586)
http://www.ucfalumni.com

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at http://www.ucfalumni.com/benefits.

Students can join the 4EVER KNIGHTS (4EK) Student Alumni Association, one of the largest on-campus student organizations. 4EK offers its members a wide variety of fun events and valuable benefits including invitations to fun 4EK socials, Movie Knights, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership, scholarship and service opportunities and much more.

UCF Foundation, Inc.

Stewardship Coordinator, Communications, Marketing and Donor Relations: Tambrea Hurst
PVL 250; 407-882-1247
Email: tambrea.hurst@ucf.edu
http://uffoundation.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 Studies**

Interim Director: Consuelo Stebbins  
MH 107, P.O. Box 163105, Orlando, FL 32816-3105;  
407-882-2300, Fax: 407-882-0240  
http://www.international.ucf.edu/OIS

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the Internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

**Study Abroad Programs**  
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to unfamiliar living conditions. Maturity, self-confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad. UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience that is consistent and furthers UCF curriculum. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs provide the maximum amount of exposure to a subject in the shortest period of time. Courses delivered as part of these programs must meet all academic criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. 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 (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongji University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; Tilburg University, The Netherlands; Jonkoping and Malardalen universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

There are more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.

**Experiential Learning (Office of), Undergraduate Studies**

Interim Director: Ulla Isaac  
CSEL 300; 407-823-2667  
Email: OEL@ucf.edu  
http://www.explearning.ucf.edu

The Office of Experiential Learning (OEL), an academic department in Undergraduate Studies provides advising, instruction and instructional 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 outcome 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.

Through OEL, both undergraduate and graduate students in all colleges have access to a diversity of experiences through meaningful and productive educational partnerships with employers and community partners locally, nationally, and internationally.

Experiential Learning faculty members advise students, instruct co-op and internship courses, and support college faculty in the development and instruction of internship and service-learning courses. The department also administers the Florida Work Experience Program (FWEP) through which additional paid, major-related experiences are created for students with documented unmet financial need, facilitates curricular practical training (CPT) for international students, and supports local, national and international internship programs and service-learning projects. 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-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student’s program of study, and can be part-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 terms. They are either part-time around class schedules or full-time alternating terms 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 from 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 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 term 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 Orientation session to obtain access into the OEL online database system. They then meet with OEL faculty to receive advising, 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, student assignments and modular courses, and 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-Slowski
BA2 223; 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 is being excluded.

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’ 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 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 irrefutable power to positively change 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: J. Jeffrey Jones
Innovation Center, 3280 Progress Drive, Suite 700, Orlando, FL 32826; 407-882-0250; Fax: 407-882-0266
http://www.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 programs include K-12, degree seeking students, domestic and international corporations, and local state and federal government.

Off-Campus College Credit Programs
Associate Vice President: Stephen Holmes
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 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
Center for Economic Education
Director Emeritus: Robert L. Pennington
Economics Department, BA2 305; 407-399-2173
Email: Robert.Pennington@ucf.edu

The Center for Economic Education strives to increase public knowledge of economic principles and their applications in daily life. Researchers at the Center develop, collect, and distribute economic educational materials. They also consult with and provide instruction to area schools (K-12), Florida College System institutions, and community organizations. Instruction focuses on the principles of economics and their use in making rational economic decisions. Affiliated with the Council for Economic Education, the Center also conducts research in economic education.

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam
9907 Universal Blvd., Suite 231-A Orlando, FL 32819; 407-903-8010

Associate Director: Robertico Croes
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028
Email: DPI@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 educating 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
Associate Director, Executive & Professional Development Programs: Jana Breburdova
407-235-3901
Email: edc@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 workforces 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 degree 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
- 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: fcli@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 the International Services Center, 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: eelii@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 the International Services Center, 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.

UNIVERSITY OF CENTRAL FLORIDA
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

IST actively assists UCF in the development of simulation-related curricula. For students with 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 and 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 in 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 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 research through seminars, conferences, publications, and workshops.

Institute of Statistics and Data Mining
Director: Chung-Ching (Morgan) Wang
TC2 203; 407-823-2816
Email: chung-ching.wang@ucf.edu

The Institute of Statistics and Data Mining provides statistical consulting support to graduate students, staff, and faculty members in all stages of their research projects. The Institute's services include, but are not limited to, design of experiments and surveys, determination of sample sizes, formulation of hypotheses, selection of appropriate analysis using a variety of software packages, interpretation and evaluation of statistical results, preparation of statistical reports, and writing statistical methods and data analyses sections of research grant proposals as well as data management through the data mining lab. The Institute's faculty members are available to work as co-investigators or statistical consultants on clients' grant proposals. The Institute also provides statistical support to various government agencies and private organizations. For a brief description of consulting activities of the Institute and research expertise of faculty members, please visit http://statistics.cos.ucf.edu/. The consulting service is available to faculty members working on funded projects for a modest fee. Professor Chung-Ching Wang is the Director of the Institute. However, other faculty members from the Department of Statistics are available for assisting clients.

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, postgraduates, 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 especially 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 Grant 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@bus.ucf.edu
http://www.bus.ucf.edu/sbdc

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 consulting in the following areas:

- Start-Up
- Marketing
- Finance
- Accounting
- Operations
- Management
- Technology
- Business 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).
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. The office 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 University 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. 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 407-903-8000 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 minimum requirements to be considered for admission and 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 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 approved 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 staff, 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/.

Academic Admissions

Undergraduate Admissions

*Transfer students with 60 semester hours or more may also designate one of many Regional Campus sites. Please refer to the application.

**Students applying as transient from a Florida public institution should apply through Florida Virtual Campus at http://www.fvc.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.graduate.ucf.edu/nondegree_applicants/.

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

Freshman Applicants
Any FTIC student who meets Florida Board of Governors regulation for minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. An applicant’s total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

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 or the ACT Plus Writing. 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 or ACT Plus Writing 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 obtain the following minimum scores in all three sections of either the SAT Reasoning Test or ACT with Writing as outlined below:

- SAT Critical Reading = 460 or ACT Reading = 19
- SAT Mathematics = 460 or ACT Mathematics = 19
- SAT Writing = 440 or ACT English/Writing = 18

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. Temporary (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)
Undergraduate Admissions

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 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 or ACT Plus Writing;
   - written letter of recommendation from high school counselor or school district permission 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 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

All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT Reasoning Test or ACT Plus Writing scores; 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.

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;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
5. No additional General Education Core requirements;
6. Advanced knowledge of selection criteria for limited access programs; and,
7. Equal opportunity with state university students to enter limited programs.

Should any guarantee be denied, students have the right of appeal through the Office of Undergraduate Admissions and the Admissions and Standards Committee.

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 level.

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 four-year regionally-accredited 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 of 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 a 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 can apply through the Florida Virtual Campus website at http://www.flvc.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 as non-degree seeking should follow the procedure through our Graduate Admissions Office located at http://www.admissions.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 must 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 grading and evaluation systems 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 regarding these examinations may be obtained from the College Board (SAT) at http://www.ets.org/toefl or IELTS, http://www.ielts.org.
- Results of the SAT Reasoning Test or ACT Plus Writing will be required if the student has earned less than 60 credit hours of college credit. 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 include a “Certification of Finances” form and supporting financial statements with the international application. Students must also complete and submit proof of required health insurance coverage to UCF 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 Health Services website at http://www.hs.ucf.edu. Use the link for health insurance 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 Health Services and may not be submitted via email.

The University reserves the right to refuse registration to any international student on an 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 from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF Health Services at 407-823-1261 or go to their website noted above.

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 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 Health Services website at http://www.hs.ucf.edu. Use the link for health insurance 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 Health Services and may not be submitted via email.

The University reserves the right to refuse registration to any international student on an 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 from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement. For questions, call UCF 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 will have their admission denied, may be denied admission, or may receive any other academic and/or disciplinary action prescribed by the University, including but not limited to academic dismissal.
Undergraduate Admissions

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, applicability of the course toward a degree requirement 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; Appointment: 407-823-5285;
Fax: 407-823-5241
Email: finaid@ucf.edu
http://finaid.ucf.edu

Office Hours:
Monday: 9:00 a.m. - 5:30 p.m.
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.
Thursday: 1:00 p.m. - 5:30 p.m.
(Hours subject to change during holidays and semester breaks.)

The mission of the Office of Student Financial Assistance is to provide UCF students and the University community comprehensive quality service by offering options for financial assistance and efficient delivery of aid. Financial aid counseling is available by appointment. Due to confidentiality, counseling by phone and email is limited. Student Financial Assistance, a unit of Student Development and Enrollment Services, is dedicated to the attainment of UCF’s mission and goals.

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 financial 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 by 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;
- 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 should have a complete financial aid file at least 60 days prior to the beginning of the 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 Listing on the website for specific deadline dates for individual scholarships.

Application Procedures

- The FAFSA can be filed electronically at http://www.fafsa.ed.gov;
- Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. 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 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;
- Messages 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;
- 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;
- 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 necessitate 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;
Student Financial Assistance

- 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-citizens, (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 or GED certificate;
- 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.

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 in the online FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. 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;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student's name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights Email account. 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;
- If there are extenuating circumstances or problems at any time, you may visit the office during normal business hours or call the appointment line, 407-823-5285, to meet 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 at http://finaid.ucf.edu/applying/app_costs.html for the estimated Cost of Attendance.

Financial Aid Programs Available at UCF
Financial aid comes in many forms, such as grants, loans, employment, waivers, and scholarships. 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 at the time of file at UCF.

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. Effective July 1, 2013, first time Federal Direct loan borrowers will be subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. Students may 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.

Federal Work Study is designed to provide students who demonstrate financial need a chance 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.

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

Award Notification
Award notifications are mailed to first time UCF students after March 15th, while email award notifications are sent to continuing students. Initial awards 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 requirements. If a class is not required to earn a degree, then the hours of that class are not used to calculate a student’s eligibility.

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 offered.

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. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. 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. Since awards are subject to change, deferments are also subject to change. 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,

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### Estimated Cost of Attendance for 2014-2015

#### Undergraduate Students

*Fall/Spring based on 14 hours per term*

<table>
<thead>
<tr>
<th></th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
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</thead>
<tbody>
<tr>
<td><strong>Living Arrangement</strong></td>
<td><strong>On/Off Campus</strong></td>
<td><strong>On/Off Campus</strong></td>
</tr>
<tr>
<td><strong>Parent/Relative</strong></td>
<td><strong>Parent/Relative</strong></td>
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<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$5,930</td>
<td>$21,556</td>
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<tr>
<td><strong>Books</strong></td>
<td>1,146</td>
<td>1,146</td>
</tr>
<tr>
<td><strong>Room &amp; Board</strong></td>
<td>9,758</td>
<td>5,406</td>
</tr>
<tr>
<td><strong>Transportation</strong></td>
<td>1,856</td>
<td>1,856</td>
</tr>
<tr>
<td><strong>Personal Expenses</strong></td>
<td>2,772</td>
<td>2,772</td>
</tr>
<tr>
<td><strong>Total Costs</strong></td>
<td>$21,462</td>
<td>$37,088</td>
</tr>
</tbody>
</table>

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36 Undergraduate Catalog 2014-2015
all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap 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.

**Disbursements**

Time of disbursement 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. At the end of the Drop/Swap and Add period, awards are adjusted based on the student’s enrollment. 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 4 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 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.

**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:

- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours. Compliance of this requirement is checked at the end of each term. Students who do not earn 70% of all credit hours attempted will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must repeat the 70% standard 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.

- 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).

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

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

**Classification**  

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

**Satisfactory Academic Progress**

Students who submit a SAP Appeal that is approved will be placed on Financial Aid Probation, and will be continued on probation 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 credit hours that they attempt each semester. In addition, students on probation for GPA and/or completion ratio must make positive progression 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, by 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.

**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;
- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the academic year;
- you 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 30th of the school year;
- 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.)

**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 the 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, under Forms).
- Attach documentation supporting specific circumstance(s) to the appeal form;
- Meet with Academic Advisor and to complete an Academic Plan for Financial Aid;
- Submit the appeal and the supporting documentation 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.

Student Financial Assistance

- at age 13 or older, 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; 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.

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 Virtual Campus at http://www.flvc.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 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 at the same time. Students must decide which of the two institutions is the primary school at which they are degree seeking and apply for aid there. Any inaccuracy will result in a 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 of any potential awards not already listed on the student’s financial aid award summary on the Student Center in myUCF. In the event of an over award, a student’s award package is reduced to eliminate the over award, which may result in a repayment of the over award.

Refunds and Return of Title IV Funds
Students should be aware that if they do not begin attendance or completely withdraw 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.

Professional Judgment
The formula 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 should schedule an appointment to review the 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 process.

Repeated Coursework
The US Department of Education has passed a regulation which impacts students who repeat courses. 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, you may visit http://finaid.ucf.edu/receiving/repeat_coursework.html.
Student Account Services
Senior Associate Controller: Dan Mayo
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: 2014-2015 tuition and fees had not been established at the time of this publication. Rates for the 2014-2015 academic year will be available in July 2014 at http://tuitionfees.smca.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 at 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. They 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 2014 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 myUCHF 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 transaction.
- Payments made at any time on the published fee payment deadline will be considered on time.

E-Pay process:
- Sign in the myUCHF 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 2013, Fall 2013, or Spring 2014). 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.

Mailed payments: (Please do not send cash)
- Include student’s name and PID# on personal checks or money orders (make check payable to University of Central Florida)
- Address payments to: University of Central Florida Student Account Services Attn: 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/.

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-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/term 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 Charges 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 changes of address. All refunds from students’ accounts can be directly 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 Account Services 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.

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, parolee, 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).

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;
   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)

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.
Office if they already are enrolled. 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 were previously enrolled. Florida residency for tuition purposes shall apply to the appropriate residence 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. 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. 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.

University of Central Florida

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 institution as an out-of-state resident and subsequently 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 and 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 before 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 proof of residency 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 erroneous decision was made regarding 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 (SDES)

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.

The Division of Student Development and Enrollment Services is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)

Director: Kimya Massey
WDSC I; 407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services 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, ensure 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; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office

Director: Richard Phillips
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity & Service Fee Business Office services the purchasing, accounting and personnel needs of Activity & Service Fee funded departments and agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. The office also administers an online financial training workshop for registered student organization officers and their faculty/staff advisors.

In addition, the office manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters and attractions. The Student Government Ticket Center is also an authorized TicketMaster Retail Outlet. The office also oversees the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 24 computer stations available and provides limited free printing to currently enrolled students.
Division of Student Development And Enrollment Services

Career Services
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 & Psychological Services (CAPS)
Director: Karen Hofmann
CAPS; 407-823-2811
Email: counctr@ucf.edu
http://caps.sdes.ucf.edu/
Counseling and Psychological Services (CAPS) 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
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 2 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 Creative School 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. Creative School 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 to 12 years and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and Creative School 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, undergraduate and graduate students. The school enrolls children of university students, employees of the university, and community members.

Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday. Evening program hours are 5:35 p.m. to 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 freshman students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students not assigned to other first year 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 retention 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 proactive academic advising support, establishing early and regular communication, and providing outreach advising activities for first-year students residing in both on-and selected off-campus facilities. 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 First Year Advising and Exploration.

Major Exploration Program (MEP)
HPH 116; 407-823-3789
http://mep.sdes.ucf.edu
The Major Exploration Program 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 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)
Interim Director: DeLaine Priest
PH 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), Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registering for classes. Students register for the program by visiting the First Year Experience 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 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.

UNIVERSITY OF CENTRAL FLORIDA
43 Undergraduate Catalog 2014-2015
The UCF Dental Center, housed within the Health Center, provides referrals and specialty care (subject to copays and deductibles). Students are required to pay each semester. However, when purchasing students. Please visit our website for additional information regarding eligible for out-of-network benefits.

Any insurance company as a courtesy to our patients as they may be currently have 47 fraternities and sororities on UCF’s campus with more than 3,500 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF’s Greek community through participation in fraternity or sorority recruitment. The Interfraternity Council and Panhellenic Council sponsor “Recruitment” or “Rush,” which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors “Meet the Greeks” and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups and their governing bodies. Whether an individual chooses to join a fraternity or sorority, Recruitment, Greek Expo, and Meet the Greeks are excellent ways to meet people and become acquainted with involvement opportunities at the University of Central Florida.

Health Services (HS)
Director: Michael Deichen, M.D., M.P.H.
HC 309; 407-823-2701
http://hs.sdes.ucf.edu

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

The UCF Health Center is staffed by board-certified physicians, 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. The state-of-the-art 50,000 square-foot Health Services building is centrally located on the UCF Orlando campus.

Insurance office staff will assist students with filing insurance claims. Currently, UCF HS physicians are contract-in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, MVP, and Sigma health insurance plans. This entities faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company as a courtesy to our patients as they may be eligible for out-of-network benefits.

UCF 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 the Health Center and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

The UCF Dental Center, housed within the Health Center, provides preventive, restorative and cosmetic dental services by appointment at 407-823-1635. Prices are discounted for students. The Dental Center accepts dental insurance PPO plans and payment plans are available for various treatment plan options.

Two convenient pharmacy locations on campus are staffed by pharmacists passionate about patient education and providing excellent customer service. Our main pharmacy is located in the Health Center, and a satellite pharmacy, called Knight Aide, is located within the smaller 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 the Health Center is closed, students may obtain information and advice from the Health Center telephone message at 407-823-2701 or its website that provides access to FreeMD (the web-based interactive system to help 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://hs.sdes.ucf.edu (charges for services are the student’s responsibility).

Housing and Residence Life
Executive Director: Christi Hartzler
HAB 123; 407-823-4633
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 with UCF Housing is strongly encouraged, and options are available for all classes of students, from freshmen to graduate students.

Students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore, all students desiring 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 suite-style shared-bedroom residence halls 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.

Several different meal plans are available through UCF Dining Services. Information about meal plans is available online at http://www.ucfdining.com.

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

The mission of the LEAD Scholars Academy (LEAD) 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 LEAD Scholars Academy incorporates established 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 LEAD Scholars Academy 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 in 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 LEAD Scholars Academy 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.

Lesbian Gay Bisexual Transgender Questioning/Queer (LGBTQ) Services
SU 305; 407-823-1027
http://www.ucf.edu/lgbtq

The mission of Lesbian Gay Bisexual Transgender Question-ing/Queer (LGBTQ) Services and student leadership is to connect our diverse student population to opportunities, resources, and each other to achieve the vision of a stronger, healthier, and more equitable world for LGBTQ+ people and their allies. In addition to serving as an entry point to students seeking LGBTQ+ resources and support, LGBTQ+ Services oversees the LGBTQ+ friendly space, Pride Commons, located in the Ferrell Commons. This inclusive and safe space is used as a hangout for UCF students and also hosts educational programming on campus such as LGBTQ+ History Month, National Coming Out Day, Transgender Day of Remembrance, Transgender Week of Visibility and the annual Lavender Celebration.

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 a six-week summer program, 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.

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

The mission of the Office of Student Involvement (OSI) 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, to promote civic responsibility, to embrace differences, and to connect students to the campus and the community.

To fulfill our mission, the Office of Student Involvement staff members oversee the registration and management of more than 600 registered student organizations (RSO’s), as well as the advisement and coordination of the following student groups: Campus Activities Board (CAB), Homecoming, Knight Camp, Knight-Thon, Knights of the Round Table (KoRT), Late Knights, Student Government Association (SGA), Student Outreach Services, and Volunteer UCF (VUCF). 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 foi@ucf.edu. OSI is funded by the Student Government Association.

Office of Student Rights and Responsibilities (OSRR)
Director: Dana Juntunen
FC 227; 407-823-4638
http://osrr.sdes.ucf.edu; http://concern.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving issues impeding student success, the Office of Student Rights and Responsibilities (OSRR) includes the Office of Integrity and Ethical Development, the Office of Student Conduct, and Student Care Services. OSRR promotes a campus climate of integrity, civility and accountability by providing a wide array of resources, educational and crisis management services for the university community. We purposefully challenge students during their development as productive citizens of the UCF community, to consider ethical practices and the importance of making critical decisions. OSRR also publishes, the Golden Rule Student Handbook, which contains the Rules of Conduct and more detailed information on student life. Copies of the Golden Rule can be obtained at OSRR or can be viewed on the Internet at http://goldenerule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

Office of Integrity and Ethical Development
Director: Jennifer Wright
FC 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 management and resolution, civility, and professionalism. Services include mediation sessions and training, college life skills coaching sessions, and outreach programs. 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
Director: TBA
FC 227; 407-823-4638
http://osc.sdes.ucf.edu

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within the Golden Rule student handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the Rules of Conduct in the Golden Rule Student Handbook. This office is also responsible for admission clearances, dean’s certification, and student eligibility checks. The rules of conduct can be found in the Golden Rule student handbook and copies may be obtained at the Office of Student Conduct, or can be viewed on the Internet at http://goldenerule.sdes.ucf.edu.

Students are encouraged to apply for the Student Conduct Board, which determines whether a student has violated the Rules of Conduct and recommends sanctions that may be imposed when a rules violation has been committed.

Student Care Services
Case Managers: Ann Marie Palmer, Angela Newland
FC 142, 407-823-5607
http://concern.sdes.ucf.edu

Student Care Services (SCS) 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 process, 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.

PRIME STEM Student Support Services Program
Director: Rebekah McCloud
HPH 208; 407-823-4165
Email: rebekah.mcccloud@ucf.edu
http://prime.sdes.ucf.edu

PRIME STEM/Student Support Services is a federally-funded TRIO program (U.S. Department of Education). The program supports college students pursuing STEM majors (Science, Technology, Engineering, and Mathematics) who are first-generation, demonstrate a financial need, and/or have a documented disability. The project offers academic support services and resources to assist PRIME STEM scholars to successfully complete a STEM 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.
Recreation and Wellness Center (RWC)

Director: James Wilkening
RWC; 407-823-2408
http://rwc.sdes.ucf.edu

The Recreation and Wellness Center (RWC) supports and strengthens the mission of the University of Central Florida. The mission of the department is to foster healthy lifestyle choices and wellness through efficient services, comprehensive programs and high-quality facilities. The Recreation and Wellness Center 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 an environment in which we celebrate the differences we share across the spectrum of human diversity.

The UCF Recreation and Wellness Center strives to both 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.

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. Seven outdoor facilities, one main building and the new RWC @ Knights Plaza satellite facility make up the RWC. The Recreation and Wellness Center 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 (SGA).

Registrar's Office
University Registrar: Brian 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 coordinates and enforces university policies and procedures campuswide through cooperation, communication, and leadership. In addition, the Registrar’s Office is responsible for management and publication of course offerings, Undergraduate Advising Guide, the online Undergraduate Catalog, the efficient utilization of classroom resources, readmission, transient student admission, residency reclassifications, student veteran services, and Commencements.

Sophomore and Second Year Center (SSYC)

Director: Robert Snow
HPH 215; 407-823-3375
Email: sophomore@ucf.edu
http://ssyc.sdes.ucf.edu

The Sophomore and Second Year Center (SSYC) has a mission to assist and retain sophomore and second year students at the University of Central Florida. This mission is accomplished by providing academic advising and support services to targeted student populations, developing and conducting programs that guide students toward declaration of a major (degree program), connecting students to the appropriate campus resources and services, providing enhanced information and advising resources through technology (Video Chat Advising), and assisting students with their progression towards graduation from UCF. SSYC provides on-going communication throughout the year with these students to keep them aware of various major exploration outreach events, and to help sophomore and second year freshmen students stay connected and engaged with the UCF campus community. One of the communication resources is the “Sophomore Voice” newsletter that is produced and disseminated to students on a bi-monthly basis.

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second year freshmen students to various campus resources, academic advising for major & career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, Cambridge AICE, and/or dual enrollment courses; and sophomores and second year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office, SSYC collaborates with the College advising support units, and other campus student support offices, in providing information resources and advising services as part of the “Sophomore Connections” efforts provided each year to sophomore students.

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 Supplemental Instruction (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.

University Testing Center (UTC)
HPH 106; 407-823-5109
Email: utc@ucf.edu
http://utc.sdes.ucf.edu

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) – Subject Areas Only
- Law School Admissions Test (LSAT)
- Test of English as a Foreign Language (TOEFL IBT)

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

Student Disability Services (SDS)
Director: Adam Meyer
FC 185; 407-823-2371
Email: sds@ucf.edu
http://sds.sdes.ucf.edu

The Office of Student Disability 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 Student Disability Services. 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://www.sds.ucf.edu. Students are encouraged to come to SDS 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.

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

The mission of the Office of Student Financial Assistance is to provide UCF students and the university community with quality services and comprehensive options for financial assistance through an efficient delivery of student aid. Financial aid counseling is available by appointment and/or walk-in service. Due to confidentiality issues, counseling by phone and email is limited. Student Financial Assistance is dedicated to supporting and attaining UCF’s mission and goals.

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

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect students, including 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 Club Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the Round Table, and much more. Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, 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.

Student Government Association’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 oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

All students are encouraged to take an active role in the Student Government Association. For information about how to become involved with SGA or how your student organization can receive funding, contact the Student Government Association office.

Student Legal Services
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 expungement 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 Student Legal Services office to schedule an appointment.

Student Neighborhood Relations (SNR)
Assistant Vice President, Student Development and Enrollment Services: A.J. Range
Farrell Commons, Building 7C, Suite152; 407-823-6505
http://snr.sdes.ucf.edu

While Student Neighborhood Relations (SNR) is charged with assisting and providing information and resources for students, faculty, and staff with their search for off-campus housing accommodations, its first mission, however, is to support and promote on campus housing for students. The SNR 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.

SNR further serves UCF students, who live off campus, with directions and information regarding a variety of on campus programs, events, activities, and services. SNR fosters a supportive and development-oriented environment for off-campus students by providing advocacy for resolving problems, “on the spot” or through campus referrals, and by exploring other available resources. Finally, Student Neighborhood
Division of Student Development And Enrollment Services

Relations works in the local neighborhoods, adjacent communities, and nearby subdivisions with the HOAs, officers, community leaders, residents, and students to create, build, and enhance good neighborhood relations and effective civic engagement/responsibility.

Student Outreach Services
Director: Rhonda Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5850
http://www.reachout.ucf.edu

The primary mission of Student Outreach Services is to attract, motivate, and prepare underrepresented students from the local area to complete a college education. These students are provided with essential information, educational materials, and collegiate experiences to enhance their preparation for post-secondary study, primarily through the efforts of two programs.

1. The UCF Pre-Collegiate Readiness and Empowerment Program (P.R.E.P.) provides campus and school-based programs to underrepresented students in grades 6-12 to help strengthen their skills and likelihood of college success.

2. The UCF National Achievers Society, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for students in grades 6-12.

Student Union
Director: Rick Falco
SU 312; 407-823-2117
http://www.ucfsu.com

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, Balagan Kosher Café, Smoothie King, Subway, Sbarro, Pita Spot, Wackadoo’s, Grub & Brew, Qdoba, BK Whopper Bar, Asian Chao, Huey Magoo’s, Corner Café and Topper’s Creamery. Retail stores include KnightStop Convenience Store and College Optical. Other services located in the Union include the SGA Ticket Office, SGA Computer and Express Print Labs, Kaplan Test Services, ATMs from SunTrust, Bank of America, Chase Bank, and the UCF Federal Credit Union as well as a self-service computer lab. The Student Union also operates the Knights Helping Knights Food Pantry, All Knight Study at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. All Knight Study is generally open 24 hours, 7 days a week, and the Union is open 24 hours, 5 days a week, to provide additional study options. For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

Transfer and Transition Services
Director: TBA
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 the University of Central Florida. 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, and Valencia College;
- DirectConnect advisor and support at Valencia College East Campus;
- Academic exploration and advising for transfer students who are undecided 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;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, Florida College System institutions or universities; and,

- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, Florida College System institutions, and other institutions.

Undergraduate Admissions
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 University of Central Florida.

Office hours are: Monday/Thursday 9 a.m. to 6 p.m., Tuesday/Wednesday/Friday 9 a.m. to 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 (VARC) 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 Disabilities Services, and Transfer and Transition Services, and provides the home for Veteran Services. VARC has been designated as a Center for Excellence for Veteran Student Success.

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

Veteran Services
Assistant University Registrar: Bethany Glassbrenner
Veterans Academic Resource Center, CFE Arena; 407-823-2707
Email: varc@mail.ucf.edu
http://varc.sdes.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 fee 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 Undergraduate Admissions Office.

Students eligible for VA educational benefits may also be eligible for a VA deferral of tuition and fees. The VA Deferral due date is contained in the “Academic Calendar.” 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 for quarter-time depending on 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, exclusion, suspension, or expulsion, 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.

Effective August 1, 2011, the Post-9/11 GI Bill pays only for public school in-state tuition and fees. Out-of-state tuition is no longer paid for by the VA. The University of Central Florida 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.

**Wellness and Health Promotion Services (WHPS)**

*Director: Maureen Hawkins*
RWC Suite 111 and CAPS; 407-823-5841
http://whps.sdes.ucf.edu

Wellness and Health Promotion Services (WHPS) 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 health, 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, sexual violence and healthy relationships. A variety of services are provided by health professionals including screening and education, along with HIV Testing & Counseling, massage therapy, 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.
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 Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida 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; DirectConnect advising available at Valencia College East Campus
- 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
- Written articulation agreements between UCF and other universities and colleges

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 to enter each program at 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 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. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2318 to set up an appointment.

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;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- 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 8-10 credit hours in the same language at the college 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 provide 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 http://www.flvc.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.

Transfer Checklist

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<th>Before Completing the A.A. or Articulated A.S.</th>
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<tr>
<td>Y___ N___ met with a DirectConnect advisor</td>
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<td>Y___ N___ met with counselor or advisor for graduation check</td>
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<td>Y___ N___ completed application for graduation</td>
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<th>Application for Admission</th>
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<td><em><strong>/</strong></em> date submitted</td>
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<tr>
<td>Y___ N___ checked admission status at <a href="https://my.ucf.edu">https://my.ucf.edu</a></td>
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<td><em><strong>/</strong></em> date of acceptance</td>
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<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
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<tr>
<td>Y___ N___ transcripts sent from all current and prior institutions</td>
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<td>Y___ N___ final transcript sent after term completed</td>
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<th>Financial Aid/Scholarship</th>
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<tr>
<td><em><strong>/</strong></em> date financial aid application (FAFSA) sent</td>
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<td><em><strong>/</strong></em> date SCHOLARSHIP application sent</td>
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<td>Y___ N___ “to do” list checked on myUCF</td>
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<tr>
<th>Housing</th>
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<td>Y___ N___ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
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<td><em><strong>/</strong></em> date application sent (include deposit when required)</td>
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<th>Immunization</th>
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<tr>
<td><em><strong>/</strong></em> date Student Health Form submitted</td>
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<td>Y___ N___ need immunizations</td>
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<th>Foreign Language Requirements (Admission)</th>
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<tr>
<td>Y___ N___ 2 years/units earned in high school</td>
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<tr>
<td>Y___ N___ 8-10 credits earned at the college level</td>
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<td>Y___ N___ credits to be taken at the university</td>
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Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.

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<tr>
<th>Program (Major) Requirements</th>
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<td>Y___ N___ selected a major</td>
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<td>Y___ N___ completed major prerequisites</td>
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<td>Y___ N___ submitted limited access application</td>
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<td>Y___ N___ met grade point average (GPA) requirements</td>
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<td>Y___ N___ met cumulative GPA for admission to program of study</td>
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<td>Y___ N___ met cumulative GPA in courses taken for program of study</td>
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<td>Y___ N___ met grade requirements for designated courses</td>
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<td>Y___ N___ met audition/portfolio/additional admission requirements</td>
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<th>Orientation:</th>
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<tr>
<td><em><strong>/</strong></em> Orientation date at UCF</td>
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Transfer and Transition Services

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 deferrals, 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 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 and Thursday, 8:30 a.m. to 5:30 p.m., Tuesday, Wednesday, and Friday 8:30 a.m. to 4:30 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 all aid available, your financial aid file should be complete by March 1.
ACADEMIC ADVISING

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, 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)
   c. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (HPH 215)

   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 Colburn 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.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. Meet with a CAHSA advisor 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.
Academic Advising

College of Business Administration

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

New students will:
1. Be classified as ‘pending’ until admission requirements are met and a change of major request has been approved. ‘Pending’ students have enrollment access to non-restricted classes within the CBA; and, 
2. Meet with a faculty advisor in the department of their declared major during the first enrolled term to petition any relevant transfer work into their degree program, as needed; and, 
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and a Degree Audit; and, 
4. Meet with a faculty advisor in the department of their declared major during the first enrolled term to petition any relevant transfer work into their degree program, as needed; and, 
5. Be advised in the OPD if the major is Business Pending 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 your scheduled appointment time. All changes to your class schedule must be completed by the end of the drop/swap and add periods; 
4. Be classified as ‘pending’ until admission requirements are met and a change of major request has been approved. ‘Pending’ students have enrollment access to non-restricted classes within the CBA; 
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 College of Business Administration GPA concerns will: 
1. Have a “hold” placed on their subsequent registration; and, 
2. Meet with a faculty advisor in the department of their declared major 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:
   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 occur.
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 on the Degree Audit and 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; 
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 courses (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.

UNIVERSITY OF CENTRAL FLORIDA
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. Complete all schedule changes by the end of the published add period;
6. 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,
7. 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 for 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, 2046L
- **Organic Chemistry**: CHM 2210, 2211, 2211L
- **Biochemistry**: BCH 4053
- **Biochemistry/Molecular Lab**: BCH 4103L or BSC 3403C
- **Microbiology**: MCB 3020C
- **Calculus**: MAC 2235 (prefer MAC 2311, 2312)
- **Physics**: PHY 2053C, 2054C or PHY 2048, 2049
- **Statistics**: STA 2023
- **Immunology**: PCB 3233 and PCB 3233L
- **Neurobiology**: ZOO 3744

*Biomedical Sciences and Biotechnology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

Dates of Importance
All students should be aware of registration deadlines and test dates for their specific admissions exam (DAT, MCAT, OAT, GRE, etc.). In addition, most four-year health professions schools subscribe to professional application services (AMCAS, ADDSAS, ACOMAS, etc.), thus require completion of a thorough application packet provided by the various application services.

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

Continuing students will:
1. If accepted in a nursing program, see a faculty advisor during the first few months of each semester to review program courses and check progress toward graduation.
2. If a nursing pending major, see an advisor in the College of Nursing, Office of Undergraduate Student Services, during the first few weeks of each semester to check progress toward eligibility for application to the major.
3. View a Degree Audit through myUCF; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which graduation will occur.

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 - Academic 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, etc.;
4. Register for classes at a central location; and,
5. Check their “Fee Invoices” to ensure accuracy of their class schedule.

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 the schedule is still appropriate;
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
Academic Advising

1. Resolve any HOLDs placed on their account preventing them from registering;
2. 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);
3. Meet with a member of the Interdisciplinary Studies Advising Team prior to declaring a major in Interdisciplinary Studies.
4. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
5. 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 workshop schedule is available each term at http://www.cos.ucf.edu/cosas/current-students/academic-probation/;
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 on your degree audit and at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
2. Complete the on-line graduation application on myUCF within the dates specified at http://calendar.ucf.edu; and;
3. Check your knights email account for further instruction. Graduating students may be required to see a COSAS advisor to review status.

Office 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. 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. Meet with an advisor in the department of their minor to review progress and, prior to graduation, confirm that the minor requirements have been met;
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 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 provide 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 Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. New transfer students are given the opportunity to meet with a Professional or Faculty Advisor prior to applying to UCF and at any time while enrolled to discuss degree programs and requirements. Further, students are asked to meet in a pre-advising session prior to Orientation to determine if the student is to attend the required orientation session in Orlando or at through the live or virtual orientation offered by the Regional Campus system. In these sessions, students will receive:
1. Information about the degree programs offered at the Regional Campus;
2. An understanding of the career options associated with their major program of study; and,
3. An appropriate program of study along with the first term class schedule.

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 may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the student’s degree program.
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, and Summer Registration begins following the midpoint 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 in-person 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

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<th>Status</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Full Time</td>
<td>12 or more</td>
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<tr>
<td>Three Quarter Time</td>
<td>9-11</td>
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<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>

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 enrolling in classes aligned with their degree program. More detailed explanation of the excess hours rule can be found on the University Registrar’s Office website at http://registrar.sdes.ucf.edu.

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, 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, payment to 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 or Add 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 and Withdrawal deadlines for details.

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 activity or space-available basis). Forms to complete 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 & 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 semestral or trial 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
- Re-certification

UNIVERSITY OF CENTRAL FLORIDA

57

Undergraduate Catalog 2014-2015
Academic Regulations and Procedures

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 previously been 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. International students may not register as non-degree-seeking since immigration regulations prevent foreign nationals from registering without admission to a degree or certificate program.
7. Limited Non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports; and
8. 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 noted 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, internship, or independent study 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 desires to take 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), or by the time noted 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 UCF 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 college or university for transfer back into a UCF degree program must obtain prior transient approval for specific courses from the Dean 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 transient 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. Student 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, or other third party agencies may request enrollment and degree verifications online at http://www.degreeverify.org. 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, by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students wishing to mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to petition for a late withdrawal in person must sign the request 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 last day that a 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 Withdrawn Passing (WP) or Withdrawn 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 is
Beginning Fall 2001, a plus/minus grading system became effective, and other actions regarding student progress or class attendance. The University uses an alphabetic system to identify student grades. Grade Systeming Academic Behavior Violations, see the current or designee of the outcome. For additional information regard-

Should an alleged violation of academic behavior standards arise

The appeal must be based upon new or missing evidence not previ-

Withdrawal and Academic Behavior Violations

If a medical withdrawal is approved, the 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 Withdrawn Passing (WP) or Withdrawn 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. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses if the medical withdrawal permission 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 appeal must be based upon new or missing evidence not previ-

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/

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.

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.

UF 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, and when all requirements can be completed in a short time following the end of the term. 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 with Incomplete 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 "F" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Changes other than 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 status 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 readmission 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 such policies. Faculty may notify their colleges, 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 Program Director shall 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; 407-823-6860) 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 offer other 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 his/her instructors 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.
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. Requests 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. 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 “R” 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 is awarded for repeated courses will not retroactively alter any previous academic action (i.e. academic probation or disaggregation). 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 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 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.”
Academic Regulations and Procedures

Good Standing
Good standing indicates only that the student is meeting the minimum academic standard for retention by the University (minimum term GPA, 2.0). To meet graduation requirements, however, the student must have a minimum UCF GPA of 2.0.

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 counseling. 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.

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 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; or,
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second baccalaureate 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 at the Registrar’s Office or online at http://www.registrar.ucf.edu. 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. Pius 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 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 residency 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 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.

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 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; or,
4. the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second baccalaureate 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 at the Registrar’s Office or online at http://www.registrar.ucf.edu. 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. Pius 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 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 residency 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 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
academic 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/collages 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 Remitted 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 admission 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.

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**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
   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 submit 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;
   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 determine conditions for the individual’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 181). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees 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 181 or online at https://my.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 students’ responsibility to make appropriate changes to the address online at myUCF as they occur. Address and email changes also can be made by writing 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 requested data are 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 Registrar’s Office (MH 161). 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 specifically 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.

**Extemating 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; or,
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; or,
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 within 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. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Undecided” category may retain their Catalog when initially selecting a major. Students can 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 the same 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 administrator, 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 responsibility; 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 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) 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.

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<th>Score of 4</th>
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<td>MUT 1111</td>
<td>MUT 1111 and MUT 1241 if both aural and non-aural subscores are 3 or higher</td>
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<td></td>
<td>PHY 2053C</td>
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<td>PHY 2053C and 2054C</td>
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<td>PHY 2054C</td>
<td>SCI Found 1</td>
<td>PHY 2048C</td>
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<td>PHY 2048C</td>
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<td>PSY 2012</td>
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<td>SPA 2200</td>
<td>SPW 3100 and 3201</td>
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<td>SCI Found 1</td>
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<td>STA 2023</td>
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<td>ART 2203C</td>
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<td>AMH 1000</td>
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<td>Same as 3</td>
<td>SCI Found 1</td>
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<td></td>
<td>WOH 2022</td>
<td>CUL &amp; HIS Found 1</td>
<td>AMH 2010 and 2020</td>
<td>CUL &amp; HIS Found 1 &amp; 3</td>
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*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.

Advanced Placement Language (all modern languages)
A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2220) 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 2220 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)

International Baccalaureate Program (see table on next page)
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.

ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>GEP Usage</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
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</thead>
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<tr>
<td></td>
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<td>ENC 1101 and LIT 1005#</td>
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<td>CUL Found 1 and 2</td>
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<tr>
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<td>ENC 1101 and LIT 1005#</td>
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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 mini-

### Scale Score of 50 for passing  
<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
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<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>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
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<td>GEB 2011 and 2905</td>
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<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>
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<tr>
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<td>CGS 1078 and 1906</td>
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<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
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<td>ETI 1410 and 1906</td>
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<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
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<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
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<td>EVR 1017 and 1906</td>
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<tr>
<td>English A1</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>ENC 1101 and 1102</td>
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<tr>
<td>Environmental Systems</td>
<td>IS 1050</td>
<td>SCI Found 2</td>
<td>IS 1000 and 1906</td>
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<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL &amp; HIS Found 2</td>
<td>FIL 1001 and 1002</td>
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<td>French</td>
<td>FRE 1121</td>
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<td>FRE 1121C and 2200</td>
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<tr>
<td>Further Mathematics</td>
<td>MHF 1202</td>
<td>MAT Found 1</td>
<td>MHF 1202 and 1209</td>
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<tr>
<td>Geography</td>
<td>GEA 1000</td>
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<td>GEO 1200 and 1400</td>
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<tr>
<td>German</td>
<td>GER 1121</td>
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<td>GER 1121C and 2200</td>
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<tr>
<td>History</td>
<td>WOH 1030</td>
<td>CUL &amp; HIS Found 1</td>
<td>WOH 1030 and WOH 1999</td>
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<td>Information &amp; Technology</td>
<td>IDS 1906 (3 credits)</td>
<td>for a Global Society</td>
<td>IDS 1906 (6 credits)</td>
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<td>Islamic History</td>
<td>ASH 1906</td>
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<td>ASH 1906 (6 credits)</td>
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<td>Latin</td>
<td>LAT 2230</td>
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<td>LAT 2230 and 1906</td>
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<tr>
<td>Marine Science</td>
<td>BSC 2311/2311L (3 credits)</td>
<td>Same as 4 (min of 6 credits)</td>
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<tr>
<td>Math Methods</td>
<td>MAC 1105</td>
<td>MAT Found 1</td>
<td>MAC 1105 and 1140</td>
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<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>MAT Found 1</td>
<td>MAT 1033 and MGF 1106</td>
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<tr>
<td>Mathematics</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
<td>MAC 1147 and 2233</td>
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<tr>
<td>Music</td>
<td>MUL 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>MUL 2010 and HUM 1906</td>
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<tr>
<td>Philosophy</td>
<td>PHI 2010</td>
<td>CUL &amp; HIS Found 2</td>
<td>PHI 2010 and 1906</td>
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<tr>
<td>Physics</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
<td>PHY 2053C and 2054C</td>
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<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
<td>PSY 2012 and 1906</td>
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<tr>
<td>Social Anthropology*</td>
<td>ANT 2410</td>
<td>SOC Found 2</td>
<td>ANT 2410 and 1906</td>
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<tr>
<td>Spanish</td>
<td>SPN 1121</td>
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<td>SPN 1121 and 2230</td>
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<tr>
<td>Visual Arts</td>
<td>ART 1012</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

### COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>Exam</th>
<th>Scale Score of 50 for passing</th>
<th>GEP Usage</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<tr>
<td>Accounting, Principles of</td>
<td>ACG 1001</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>MAT Found 1</td>
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<tr>
<td>American Government</td>
<td>POS 241</td>
<td>SOC Found 1</td>
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<tr>
<td>American Literature</td>
<td>AM 1000</td>
<td>CUL &amp; HIS Found 2</td>
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<tr>
<td>Biology, General</td>
<td>BSC 1005</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>MAT Found 1</td>
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<tr>
<td>Chemistry, General</td>
<td>CHM 1020</td>
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<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
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<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
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<td>Score of 59 or higher earns</td>
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<td>English Composition with Essay</td>
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<tr>
<td>English Literature</td>
<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
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<td>French</td>
<td>FRE 1120C</td>
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<td>FRE 1120C and 1121C</td>
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<td>German Language</td>
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<td>History of the United States I: Early Colonizations to 1877</td>
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<td>CUL &amp; HIS Found 1 or 3</td>
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<td>History of the United States II: 1865 to Present</td>
<td>AMH 2020</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<td>Human Growth and Development</td>
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<tr>
<td>Information Systems and Computer Applications</td>
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<tr>
<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
<td>SOC Found 1</td>
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<tr>
<td>Management, Principles of</td>
<td>MAN 2021</td>
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<td>Marketing, Principles of</td>
<td>MAR 211</td>
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<td>Mathematics, College</td>
<td>MGF 1106</td>
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<td>Microeconomics, Principles of</td>
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<td>SOC Found 1</td>
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<td>Precalculus</td>
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<td>Psychology, Introductory</td>
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<td>SYG 2000</td>
<td>SOC Found 2</td>
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<td>Spanish Language</td>
<td>SPN 1120C</td>
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<tr>
<td>Trigonometry</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EUH 2000</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EUH 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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</table>
Academic Regulations and Procedures

minimum of two semesters (min. 6 credits) of Elementary Language II and Intermediate 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 (all exams for diploma holders, higher level exams only for others).

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, nor 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

CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<td>Accounting (A-Level)</td>
<td>ACG 1001</td>
<td>COM Found 1</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
<td>COM Found 2</td>
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<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
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<td>Art and Design (A-Level)</td>
<td>ART 1906 and ART 1907</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
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<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 2011</td>
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<td>GEB 2011 and GEB 2005</td>
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<tr>
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<td>CHM 1020/1020L</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 1000</td>
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<td>Economics (A-Level)</td>
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<tr>
<td>English - English Language (AS-Level)</td>
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<td>FRW 3100</td>
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</tr>
<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>General Paper</td>
<td>IDS 1110</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Geography (AS-Level)</td>
<td>GEO 1000</td>
<td>SCI Found 2</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>SCI Found 2</td>
</tr>
<tr>
<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>History - The History of the USA, c. 1840-1968</td>
<td>AMH 2042</td>
<td>SCI Found 2</td>
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<tr>
<td>History - Modern European History, 1789-1939</td>
<td>EUH 2031</td>
<td>SCI Found 2</td>
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<tr>
<td>History - International History, 1945-1991</td>
<td>WOH 2040</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Latin (AS-Level)</td>
<td>LAT 1121C</td>
<td>SCI Found 2</td>
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<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001 and OCE 1000</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001 and 2011</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 2</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 1103</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish (A-Level)</td>
<td>SPN 2203 and SPN 2231</td>
<td>SCI Found 2</td>
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<td>Spanish Literature (AS-Level)</td>
<td>SWL 1103</td>
<td>SCI Found 2</td>
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<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103</td>
<td>SCI Found 2</td>
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<td>Thinking Skills (A-Level)</td>
<td>PHI 1103 and PHI 1006</td>
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<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td>SCI Found 2</td>
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</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.  

UNIVERSITY OF CENTRAL FLORIDA 68 Undergraduate Catalog 2014-2015
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 any examination they have already completed or failed. 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 on previous page)

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/uppersecalevel](http://www.cie.org.uk/qualifications/academic/uppersecalevel).

### DANTES Examination Credit (see table below)

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](http://www.getcollegecredit.com).

### 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](http://www.excelsior.edu).

---

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
<th>Passing Score 2008 Revised Exams</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
<td></td>
<td>46</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
<td></td>
<td>46</td>
<td></td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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<td>44</td>
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<td>Business Math</td>
<td>QMB 1001</td>
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<td>48</td>
<td></td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
<td>46</td>
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</tr>
<tr>
<td>Ethics in America</td>
<td>PHI 1630</td>
<td>SOC Found 2</td>
<td>46</td>
<td>400</td>
</tr>
<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
<td>46</td>
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</tr>
<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
<td>400</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td></td>
<td>44</td>
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<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>CSS 1000</td>
<td>MAT Found 2</td>
<td>45</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
<td>400</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
<td></td>
<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>46</td>
<td></td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
<td></td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
<td></td>
<td>48</td>
<td></td>
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<tr>
<td>Organizational Behavior</td>
<td>IGN 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></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>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACB 1001</td>
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<td>47</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
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<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>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
<td></td>
<td>45</td>
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<tr>
<td>Substance Abuse</td>
<td>HSC 2140</td>
<td></td>
<td>400</td>
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<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 1036</td>
<td></td>
<td>47</td>
<td></td>
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</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>(3 credits per course)</td>
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<td>COM Found 1</td>
<td>45</td>
</tr>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
<td>45</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>PHI 1630</td>
<td>46</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>ENC 1101</td>
<td>PHI 1630</td>
<td>46</td>
</tr>
<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>44</td>
</tr>
<tr>
<td>Life Span Developmental Psychol</td>
<td>DEP 2004</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>

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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 no 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 provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. 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 courses 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 marked, 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 computing 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.

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.
### 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.)

<table>
<thead>
<tr>
<th>Area</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Communication Foundation</td>
<td>ENC 1101</td>
<td>Composition I</td>
<td>1.2, 3(3.0)</td>
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<td></td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>PR: ENC 1101 1.2, 3(3.0)</td>
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<td></td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3(3.0)</td>
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<td>SPC 1603</td>
<td>Fundamentals of Technical Presentations</td>
<td>3(3.0)</td>
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<tr>
<td></td>
<td>COM 1000</td>
<td>Introduction to Communication</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>B. Cultural and Historical Foundation</td>
<td>EHU 2000</td>
<td>Western Civilization I</td>
<td>3(3.0)</td>
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<tr>
<td></td>
<td>EHU 2001</td>
<td>Western Civilization II</td>
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<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
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<tr>
<td></td>
<td>AMH 2010</td>
<td>U.S. History: 1492-1776</td>
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<td>World Civilization I</td>
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<td>ARH 2050</td>
<td>History of Western Art I</td>
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<td>ARH 2051</td>
<td>History of Western Art II</td>
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<td>MUL 2010</td>
<td>Enjoyment of Music</td>
<td>3(3.0)</td>
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<td>THE 2000</td>
<td>Theatre Survey</td>
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<td>FIL 1000</td>
<td>Cinema Survey</td>
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<td></td>
<td>REL 2300</td>
<td>World Religions</td>
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<td>PHI 2010</td>
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<td>LIT 2110</td>
<td>World Literature I PR: ENC 1102 2.</td>
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<td>LIT 2120</td>
<td>World Literature II PR: ENC 1102 2.</td>
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3. Take one additional course from either B1 or B2.

### C. Mathematical Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>2, 3(3.0)</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<td>CGS 1060C</td>
<td>Introduction to Computer Science</td>
<td>2, 3(3.0)</td>
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<td>STA 1063C</td>
<td>Basic Statistics using Microsoft Excel</td>
<td>2, 3(3.0)</td>
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<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>2, 3(3.0)</td>
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### D. Social Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2012</td>
<td>Principles of Macroeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3(3.0)</td>
</tr>
</tbody>
</table>

### E. Science Foundation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 2002</td>
<td>Astronomy PR: High School Algebra or MAC 1105C</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science PR: High School Algebra or MAC1105C</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>PHY 2053C</td>
<td>College Physics I: MAC 1105C and MAC 1114C</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>BSC 1005*</td>
<td>Biological Principles</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GLY 1030</td>
<td>Geology and its Applications</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>GEO 1200*</td>
<td>Physical Geography</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>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.

### Undergraduate Degree Requirements

#### General Education Program (GEP) Courses (36 credit hours required)

- 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 suffi- cient 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 conducted 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.

#### Alternate Courses:

#### General Education Program

Courses that may be taken in substitution for the stated GEP requirements are listed below:

<table>
<thead>
<tr>
<th>GEP Requirement</th>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105C (College Algebra)</td>
<td>MAC 1114C, MAC 1140C, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
<td>MGF 1107</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
<td>PHY 2048C, PHY 2049C, PHY 2054C</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
<td>CHM 2045C, CHM 1032, CHS 1440, CHM 2040 &amp; CHM 2041</td>
</tr>
<tr>
<td>BSC 1005 or BSC 1010C</td>
<td></td>
</tr>
<tr>
<td>BSC 1050 (Biology)</td>
<td></td>
</tr>
<tr>
<td>GEO 1200 (Geography)</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td></td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
<td>STA 2023, STA 3022</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000 (Cinema Survey)</td>
<td>FIL 2030, FIL 3036, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010 (Enjoyment of Music)</td>
<td>MUL 2012, MUL 2014, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

* For all of the acceptable substitutions in this GEP requirement, a grade of “C” (1.75) or better satisfies three hours of the Gordon Rule requirement.

#### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
</tr>
<tr>
<td>SPH 1608</td>
<td>Fundamentals of Oral Communication</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
</tr>
</tbody>
</table>

### General Education Courses:

- ENC 1102 Composition II
- SPH 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
Undergraduate Degree Requirements

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 (two high school units in the same language) 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:

Gordon Rule Requirement: GEP Courses Which Satisfy:

1. Six hours of mathematics at 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

Any 1000-level course or above in English Composition and 6 additional credit hours in college level writing

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

AMH 2010H Honors U.S. History: 1492 - 1877
AMH 2020 U.S. History: 1877-Present
EUH 2000 Western Civilization I
EUH 2001 Western Civilization II
HUM 2110 American History I
HUM 2120 American History II
WOH 2012 World Civilization I
WOH 2022 World Civilization II

Non-Gen Ed courses that also apply to the Gordon Rule Writing Requirement:

AMH 2010H Honors U.S. History: 1492 - 1877
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 3800 Canadian History
AMH 4180 The American Revolution
AMH 4190 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 The View from the Twentieth Century
AMH 3031 American Literature I
AMH 3041 American Literature II
AMH 3283 Contemporary American Women’s Fiction
AMH 3286 Early American Women’s Words
Undergraduate Degree Requirements

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/.

Summer Attendance Requirement
Undergraduate Degree Requirements

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.

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.

Undergraduate Catalog 2014-2015

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 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 Arts in Business Administration, Bachelor of Design, Bachelor of Engineering Technology, 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, General Business, Management, Marketing, Real Estate

Bachelor of Arts (B.A.)
**Major:** Economics

Bachelor of Arts in Business Administration (B.A.B.A.)
(Regional campuses only)

#### College of Education and Human Performance
Bachelor of Science (B.S.)
**Majors:** 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

#### 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.P.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, Human Communication, International and Global Studies, Journalism, 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:** Event Management, Hospitality Management, Restaurant and Foodservice Management

#### Office 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>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Medicine</td>
<td>Biomedical Sciences</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 Information Systems: Michael T. Callahan
Director of Prestigious Awards: TBA
Director of Research and Civic Engagement: Kelly Astro
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 and course programming. They also have priority registration privileges and access to the Honors Reading Room, Computer Lab, 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. 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 courses; 2) complete the Honors Freshmen Symposium; and 3) fulfill upper-division Honors course requirements determined by college or major.

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

| Symposium: | IDH 1920H |
| Lower-division: | 4 courses |
| Upper-division Major: | 3 courses; Vary by College and Major (see below) |

The current upper-division 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 Seminar
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar
  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 Seminar
  2. Complete two Honors upper-division Business courses
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or 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

- **College of Engineering and Computer Science**
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division courses

Consult with an Honors advisor to find out when these courses are being offered.

2. **Complete two Honors upper-division courses**
   - BSC 3403C Honors Quantitative Biological Methods
   - MCB 3020C Honors Microbiology
   - ZOO 3733C Honors Human Anatomy
   - PCB 3703C Honors Human Physiology
   - PCB XXXXH Honors Molecular Biology I
   - PCB 4524H Honors Molecular Biology II
   - ZOO 4704C Honors Clinical Neuroanatomy
   - 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.

3. **Complete two of the following Honors upper-division courses**
   - ENC 3241H Honors Writing for the Technical Professional
   - EGN 3310H Honors Engineering Analysis-Statistics
   - EGN 3321H Honors Engineering Analysis-Dynamics
   - STA 3032H Honors Probability and Statistics for Engineers
   - EGN 3343H Honors Thermodynamics
   - MAS 3105H Honors Matrix and Linear Algebra
   - EGN 3365H Honors Structure and Properties of Materials
   - EEL 3004 Honors Electrical Networks
   - PHY 3101H Honors Physics for Engineers and Scientists III
   - EGN 4931H Honors Engineering Seminar
   - 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.

Notes
- Students who are pursuing University Honors in two degrees must complete an additional Upper-Division 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**

Application for admission to the Honors in the Major program will be submitted to TBHC following consultation by the student with the Department Chair. Only students accepted by TBHC can be members of the major. This program is designed to encourage original and independent work by the student. Upon completion of the program, a copy of the thesis will be digitally published through the University Library. An Honors in the Major Handbook outlining the procedures for completing the program is available online at http://research.honors.ucf.edu/Honors_in_the_Major/.
College of Arts and Humanities

Dean: José Fernández
CAH 190; 407-823-2251
http://www.cah.ucf.edu/

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

The College of Arts and Humanities includes the following departments: English, Modern Languages & Literatures, History, Philosophy, and Writing & 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 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; emphasis in economics should be gained through advisement in Economics programs in the College of Business Administration; 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; 407-823-3312
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 six area studies programs with an international focus: Africana, American, Asian, Judaic, Latin American, Middle Eastern, and Russian. 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.

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Lynn Hepner; 407-823-2251
Asian Studies - Contact: Patrick Murphy; 407-823-5596
Judaic Studies - Contact: Moshe Pelit; 407-823-5039
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

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               BD
Art                        BA, BFA, Minor, MFA
Asian Studies              Minor
Cinema Studies (Film)      BA, Minor
Community Arts - PAVE      Minor
Dance                      Minor
Digital Humanities        Minor
Digital Media              BA, MA, Certificate, Minor
Diplomacy                 Minor
English                    BA, MA, Minor, MFA
Event Management (offered through Rosen) Minor
Film                       MFA
Florida Studies            Minor
French                     BA, Minor
History                    BA, MA, Accelerated MA, Minor
Humanities and Cultural Studies BA, Minor
Italian                    Minor
Jazz Studies               Certificate
Judaic Studies             Certificate, Minor
Latin American Studies     BA, Minor
Middle Eastern Studies     Minor
Music                      BA, BM, MA, Minor
Music Education            BME
Performing Arts Administration Minor
Philosophy                 BA, Minor, Certificate
Religion and Cultural Studies BA, Minor
Russian Studies            Minor
Spanish                    BA, MA, Minor
Teaching English as a Foreign Language (TEFL) Certificate
Teaching ESL               MA
Theatre                    BA, BFA, MA, MFA, Minors in Dance, Theatre
Translation and Interpretation Certificate
Women's Studies            Minor, Certificate
Writing and Rhetoric       BA, Minor, Certificate

Departments and Programs

Africana Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
http://www.aas.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 African 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: Delia Garcia  
CNH 201; 407-823-3312  
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: Patrick Murphy  
CNH 405; 407-823-5596  
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: Patrick Murphy  
CNH 405; 407-823-5596  
Email: english@ucf.edu  
http://www.english.cah.ucf.edu/

Faculty: Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Telep, Thaxton, Trouard, Uttich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schillhorst

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: John Sacher  
CNH 551B; 407-823-2225  
Email: history@ucf.edu  
http://history.cah.ucf.edu/

Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Farless, Fernandez, Foster, French, Gannon, Gordon, Herlhy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphy, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, 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, History, Middle Eastern Studies, Russian Studies

Judaic Studies: Program  
Program Director: Moshe Pelli  
CNH 415 E-J; 407-823-5039 or 823-5129  
Email: judaicst@ucf.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 cultural history, 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 service, social and community service, international trade, and public relations.  
Degrees: Latin American Studies (BA)  
Tracks: None  
Minors: Latin American Studies
College of Arts and Humanities

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: TBA
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: French, Italian, Russian Studies, Spanish
Certificates: TEFL, Translation

Department of Philosophy
Chair: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Cash, Coverston, De Cruz, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mundale, Park, Schippert, Stanilick, Strawser; Faculty Emeriti: Congdon, Flick

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: Regular and Honors
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

Department of Writing and Rhetoric
Chair: Elizabeth Wardle
CNH 307I; 407-823-0576
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bell, Bowdon, Bryan, Cavanagh, Ethridge, Comrad, Guenzel, Hall, Henken, Hepner, Holic, Ives, Launder, Marinara, Martin, Mohrenne, Owens, Pigg, Richardson, Ringfield, Rios, Roozen, Rounsaville, Schell, Schutz, Scott, Slack, Taylor, Tripp, Vie, Walls, Wardle, Weaver, Wolcott, 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 provide sustained writing opportunities across the university, the foundation for which we provide in first-year composition but for 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; 407-823-2879; Fax: 407-823-3378
Email: music@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit offers a Bachelor of Music degree with options in performance, music 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, Student Chapters 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, Chuculre, Harris, Heil, Helsinger, Ingram, Lartonoix, Listengarten, McDonald, Niess, Perry, Roh, Rusnack, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollefson, Weaver, Wood; Professor Emeritus: 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
knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors 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. 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, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies

**Minors:** Dance, Theatre

### School of Visual Arts and Design

**Director:** Byron Clercx

**VAB 117; 407-823-2676**

Email: svadvising@ucf.edu

http://svad.cah.ucf.edu/

**Faculty:** Abbas, Abraham, Adams, Aheam, Burrell, Cabrera, Clercx, Colon-Mendoza, Cooper, Croft, Dombrowski, Gaudnek, Gerstein, Hadrika, Hall, Haran, Harris, Hughes, Ingle, Jones, Kim, J., Kim, S.J., Kovach, Lotz, Major, Martin, McDaniel, Mills, Novatnak, Peters, Peterson, Poindexter, Price, Raimundi-Ortiz, Reedy, Rivers, Robinson, Rohdie, Sandler, Santana, Schlow, Shbee, G. Smith, P. Smith, Spencer, Stoeckl, Sung, Theen, Underberg, Wyatt, Zaho; Professor Emeritus: Frederick

The School of Visual Arts and Design (SVAD) is a combination of the College of Arts and Humanities and the College of Business Administration. SVAD offers a wide range of programs in the fields of studio arts, design, art history, and art history and criticism. SVAD is also available as an area of emphasis for BFA and MA students in the College of Business Administration. SVAD is also available as an area of emphasis for BFA and MA students in the College of Business Administration. SVAD is also available as an area of emphasis for BFA and MA students in the College of Business Administration.

The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student’s creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

### College of Arts and Humanities

#### Women’s Studies: Program

**Program Director:** M.C. Santana

**CNH 122; 407-823-6502**

Email: womenst@ucf.edu

http://www.womensstudies.cah.ucf.edu/

**Faculty:** Preston-Sidler, Santana, Tweed

The Women’s Studies program offers an interdisciplinary minor and a certificate in Women’s 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 Studies, Certificate

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oead.ucf.edu/alc/alc_students_cahum.htm

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**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://www.oead.ucf.edu/alc/alc_students_cahum.htm
The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

Nurturing Learning and Exploration: The College is a catalyst for students, faculty, and the general public to gain a better understanding of the various fields of business. Educational experiences inspire learning and encourage exploration.

Dissemination of Information: Students are encouraged through the learning process to gather information to be used by them in future business vocations. Both students and faculty are encouraged to pursue outlets to share “new” information within their fields and to business practitioners.

Provide Educational Opportunities: Degree seeking individuals are provided with curricula leading to baccalaureate, masters, and doctoral programs. The College is also committed to providing more opportunities with structured learning experiences that “certify” non-degree seeking individuals as having accomplished a minimum requirement for a selected career.

Provide a Platform for Partnerships: The College is engaged in specific areas of excellence that provide opportunities for learning, exploration, and sharing. These specific areas of excellence take the form of Centers and Institutes, and selected niche areas of College units.

All undergraduate and graduate programs are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

Admission to the University of Central Florida does not imply admission to the College of Business Administration. For the BSBA and BABA degrees, students will only be allowed to enroll in the 3000/4000 level courses taught by the College of Business Administration after they have been admitted to the College. Admission to the College will be granted for BSBA and BABA students when the following are complete:

- Completion of the University General Education Program or an AA degree from a Florida College System institution and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. 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.
BE 2020
UCF Business. . . the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 2000 (BE2000) curriculum focused on four competencies that are integrated throughout all coursework: Teamwork, Communication, Creativity, and Adapting to Change. These four competencies were expanded in 2002 to include Ethics and Diversity. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

- GEB 3031 Cornerstone
- GEB 3356 Introduction to International Business
- BUL 3130 Legal and Ethical Environments of Business
- ECO 3411 Quantitative Business Tools II
- FIN 3403 Business Finance
- MAN 3025 Management of Organizations
- MAR 3203 Supply Chain and Operations Management
- MAR 3023 Marketing
- MAN 4720 Strategic Management

Grade Point Average Requirements
For graduation the student must have maintained a minimum 2.0 GPA in course work taken in the College of Business Administration and a minimum 2.0 GPA in the course work required in the major, and a UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course and prerequisite within the major.

College of Business majors must maintain a 2.0 or higher cumulative Grade Point Average in all classes taken within the College of Business Administration at UCF. Failure to maintain the required 2.0 GPA, will result in the student being placed on Lack of Progress (LOP) in the College. Lack of Progress in the College will continue until such time as the student’s cumulative GPA, in all business courses reaches 2.0 or higher. If a student on LOP in the College of Business, fails to achieve a 2.0 cumulative minimum GPA in all business classes in the subsequent term, that student will be dropped as a Business major. A student who is dropped may seek re-admission as a Business major by submitting a petition indicating the reasons for academic difficulties and positive plans for achieving a College of Business GPA of 2.0 or higher. Readmission is not automatic.

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

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 junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2101), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGIS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses 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.

2. Subject to the general grade and residence 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. Florida College System institution students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule requirements;
   b. All of the common program prerequisite courses.

College of Business Administration

Advisement
Undergraduate Student Services
Director: TBA
BAZ 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services at the University of Central Florida (UBC101) or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/students/undergraduate/.

Programs and Degrees

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<th>Title</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BSBA, MSA, MST</td>
</tr>
<tr>
<td>Business Administration</td>
<td>MBA, Ph.D.</td>
</tr>
<tr>
<td>Economics</td>
<td>BA, BSBA</td>
</tr>
<tr>
<td>Finance</td>
<td>BSBA</td>
</tr>
<tr>
<td>General Business</td>
<td>BSBA</td>
</tr>
<tr>
<td>Management</td>
<td>BSBA, MS HR</td>
</tr>
<tr>
<td>Marketing</td>
<td>BSBA</td>
</tr>
<tr>
<td>Business (Regional campuses only)</td>
<td>BABA</td>
</tr>
<tr>
<td>Real Estate</td>
<td>BSBA, MSRE</td>
</tr>
</tbody>
</table>

Departments and Programs
Kenneth G. Dixon School of Accounting
Director: Sean Robb
BA 437; 407-823-2871
Assistant to Director: M. Hampton
BA 438; 407-823-5675

Faculty: Allen, Arnold, Dennis, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Schmitt, Smith, Sutton, Trompeter, Veit, Welch, Yu

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 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.
- Over a dozen 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 the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

Degrees: Accounting (BSBA, MSA, MST, Ph.D.)
Minors: Accounting
Department of Economics

**Chair:** M. Dickie  
BA2 305-D; 407-823-3266;  
Email: economics@ucf.edu

**Faculty:**  
Aysun, Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerking, Gibbs, Guldi, Hofler, Martin, Milon, Moore, Pennington, Potter, Scroggin, Soksin, Underwood

**Faculty Advisors:**  
Michael Caputo  
BA2 302Q; 407-823-1405  
Email: mcaputo@ucf.edu;  
D. Scroggin  
BA2 302U; 407-823-4129  
N. Underwood  
BA2 302N; 407-823-1403

Economic issues dominate today’s news and public debates more than ever before. Inflation, unemployment, health care, economic growth, pollution, poverty, and international economic relations are a few of these issues. The primary strength of Economics is that it provides a logical, ordered way of looking at most problems and issues. Undergraduate education in Economics equips individuals to both better understand and seek solutions to these issues.

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA 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 BA Program is to provide a broad-based liberal arts background 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 to provide the analytical skills that will allow them to resolve them.

**Distinctive Benefits**

- 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.
- Opportunity for strong quantitative and analytical training.
- Student Organizations: The Economics Club is an active student organization linking students to Alumni.
- Excellent preparation for law school admission.

**Degrees:**  
Business Economics (BSBA)  
Economics (BA)

**Minors:**  
Economics, Economic Policy

**Department of Finance**

**Interim Chair:** P. Gregg  
BA 409; 407-823-3575

**Faculty:** A Rey, Anderson, Borde, Byrd, Chen, Choi, Curcio, Frye, Galloway, Gilkeson, Gregg, Park, Ramanial, Schnitzlein, Smith, Strum, Swayne, Turnbull, Whyte

The program in finance is designed to provide the student with broad knowledge in finance, including business finance, investments, financial institutions, international finance, risk management and insurance, and real estate. The program provides the student with the theoretical background and tools of analysis required for making effective financial decisions. The study of finance prepares the student for careers in business financial management, investments, banking, and real estate.

**Distinctive Benefits**

- Students prepare for career opportunities in business and corporate financial management, commercial banking, real estate, investment management and counseling, investment banking, mortgage banking, multinational business, insurance and government.
- Students who major in finance are sought by both financial and non-financial firms.
- The rapidly changing domestic and international economies need individuals who have the skills to make sound financial decisions.

**Degrees:** Finance (BSBA), Real Estate (BSBA)

**Minors:** International Business, Real Estate, Finance

**Certificates:** Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

**General Business**

**Faculty Advisor:** S. Goodman  
BA 335; 407-823-2679

This option allows students to develop a general program of study which will satisfy career objectives not provided for by the specialized areas of concentration. To pursue this option, students should seek advisement in the Department of Management. An academic advisor will be assigned to assist each student in developing a meaningful program of study.

**Degrees:** General Business (BSBA, MBA, Ph.D.)

**Minors:** For non-Business majors

**Department of Management**

**Chair:** Stephen Goodman  
BA 309; 407-823-2679

**Faculty:** Ambrose, Baz, Becker, Blencke, Boettcher, Ciuchta, Cleavenger, Connell, Crossley, Dagher, Danneels, Ford, Harris, Holland, Jarley, Jones, Kukut, Leo, Migenes, Nichols, O’Donnell, O’Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano

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 so that students can choose to concentrate in either of two specialized areas: Entrepreneurship or Human Resource Management. Alternatively, students can choose to major in General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

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. Whether the student is studying leadership, motivation, staffing, or international management, the curriculum will sharpen students’ skills in problem identification, analysis, and solution. This track can lead to a variety of rewarding careers in management positions throughout the organization. The department offers more specialized training - using the same approach - via our Human Resource Management track. Career paths include positions in training and development, personnel and employee relations, equal opportunity and labor relations, human resource consulting, and more. For students interested in starting their own business or working for smaller fast growing organizations, the department offers specialized training via the Entrepreneurship Track.

**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 (MS)

**Tracks:** General Management, Entrepreneurship, Human Resource Management

**Minor:** Entrepreneurship

**Department of Marketing**

**Chair:** Ronald E. Michaels  
BA2 307; 407-823-2108  
http://www.bus.ucf.edu/marketing/

**Faculty:** Allen, Bhardwaj, Cole, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Sooder, Steiger, Stock, Tafaghodjami, Vadakkepatt, Valdez, Wang

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 thinking strategically. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies — knowledge and skills that will make you highly marketable and successful. A wide assortment of marketing electives is designed to let each student round out his/her education according to individual career interests, whether that might be retailing, advertising, e-business, research, professional selling, sport marketing, healthcare marketing, entertainment marketing, or services. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF. Students majoring in marketing have the opportunity to earn a personalized certificate in any of seven special interest areas. The certificate program combines elective courses with an internship, and enhances your value to potential employers.

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 19 hours. This course of study provides a strong basic education in marketing for College of Business students with majors other than marketing or students with majors from other Colleges. 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.
- Seven certificate programs are available for marketing majors.
- A 19-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:** Generalist, Professional Selling Program

**Minor:** Marketing

**Certificates:** Selling and Sales Management, Retailing Management, e-Marketing, Sports Marketing, Healthcare Marketing, Services Marketing, Entertainment Marketing

For more information, visit [http://www.bus.ucf.edu/marketing/](http://www.bus.ucf.edu/marketing/) or call 407-823-2108. The department’s office is located in BA2 307S.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: [http://www.oeas.ucf.edu/alc/alc_students_cba.htm](http://www.oeas.ucf.edu/alc/alc_students_cba.htm)
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 fourteen 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)
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 education common program prerequisite courses with a minimum letter grade of “C-” (1.75) or better and a 2.0 GPA overall in the common program prerequisite area.
- 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 on the Degree Audit and 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

Executive Director: Bryan Zugelder
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

Coordinator: 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 prerequisites (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. 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.

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/specialization 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.
College of Education and Human Performance

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 program. 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:
- 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 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 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 http://education.ucf.edu/ugrad/. 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.

UCF School and Community Partnership

Executive Director: Bryan Zugelder
ED 110; 407-823-3723

The UCF School and Community Partnership is a consortium of the university, schools, community organizations and professional associations (local, state, national) and is based on the National Council for Accreditation of Teacher Education (NCATE) Professional Development Schools (PDSs). National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences

Chair: E.H. Mike Robinson, III
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E; 407-823-6579

Faculty:

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: Counselor Education & School Psychology; Higher Education & Policy Studies; Career and Technical Education; and Exceptional Student Education.

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/departments.cfm.

Department of Educational and Human Sciences

Chair: Jay R. Hoffman
ED 209-B; 407-823-1272
Faculty Administrator: TBA
http://education.ucf.edu/chs_departments.cfm#Department of Educational and Human Sciences

Faculty:

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 bachelor’s level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can select one of the following areas: Coaching, Human Performance, or Community Sport & Fitness. The Department also offers a number of graduate programs and provides graduate courses in educational research, measurement and statistics that are required courses or electives in a number of programs offered in other divisions in the college. In addition, the EHS Department offers both a Coaching and a Fitness Training Minor.
School of Teaching, Learning and Leadership

Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

Faculty Administrators and 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
Janet Zajac
ED 223H, 407-823-0523


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, Educational Leadership, and Early Childhood Development and Education*. The Elementary Education program is designed for prospective teachers interested in the education of children through age twelve. Upon program completion, 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 (French or 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 superintendent.

*Early Childhood Development and Education: Early Childhood Careers is an A.S. to B.S. program restricted to students graduating with an A.S. in Early Childhood Education from Seminole State College that will prepare individuals to work with infants, toddlers, and families in early childhood settings

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/alc/alc_students_coe.htm
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
ENG 107; 407-823-2455

Associate Dean for Research and Administration:
Ranganathan Kumar; ENG 202; 407-823-2156

Director, Academic Affairs: Kim A. Small
ENG 107; 407-823-2455

Director, College Honors Programs: Charles Reilly
ENG 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi
ENG 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

BSAE  BSCE  BSPE  BS  BScEnE  BSSE  BSVE  BSIE  BS  BSME

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.

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 would like 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
In the section about that college.

Information on the Photonics Science and Engineering program may be found elsewhere in this catalog. For the home page associated with a particular program, see http://www.cecs.ucf.edu.

The Civil, Environmental, and Construction Engineering Department

The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

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:

1. 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.
2. 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

1. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of mathematics and statics.
2. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of variational methods in engineering (EGN 4391H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).
3. 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.
4. 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 in all upper division courses. 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 Enrichment 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; 407-823-2841
http://www.cece.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Filler, Hagen, Lee, Mackie, Nam, Nnadi, Olufa, O'Riordan-Adjah, Radwan, Randall, Reinhart, Tatari, Wang, Yun, Zaurin

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnve), and Construction Engineering (BSConE).

The Civil Engineering Program

The Civil Engineering major 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 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.

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.
The Construction Engineering Program Faculty strives to create a learning environment where the requisites needed for the various project courses vary. Usually “open-ended” and duplicate real world engineering problems. A Project Design and Capstone Course which synthesize various prerequisites, construction project planning and control, and resource management by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management.

Student Outcomes
1. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of mathematics and chemistry.
2. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of statistics and economics.
3. Graduates will demonstrate the knowledge and ability required to solve discipline-specific engineering problems in the areas of water, wastewater, and water resources.
4. Graduates will demonstrate the knowledge and ability required to solve discipline-specific engineering problems in the areas of air quality, solid waste, and hazardous waste.
5. Graduates will demonstrate the ability to think critically.
6. Graduates will work in teams to solve engineering problems.
7. Graduates will demonstrate an ability to communicate their ideas effectively through written and oral reports.
8. Graduates will be exposed to the role and responsibility of an engineer involving ethics, professionalism, engineering practice, and registration.

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 prerequisites 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 prerequisites needed for the various project courses vary.

Mission
The Construction Engineering Program Faculty strives 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 Construction Engineering graduate education and research.

Program Educational Objectives
Within the first several years following graduation, graduates should:
1. Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
2. 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
1. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of mathematics and statistics.
2. Graduates will demonstrate the knowledge and ability required to solve problems in engineering fundamentals in the areas of statistics and economics.
College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science

Computer Science Division

Chair: Gary T. Leavens
HEC 437D; 407-823-3957

Faculty: Abdallah, Angel, Bassioumi, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Eisler, Forosh, Glinos, Gomez, Gonzalez, A. Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Marinescu, Montagne, Nedostor, Oroojii, Pattanaik, Shah, Stanley, Sukthankar, Szumianski, Tappen, Turgut, Wocjan, A. 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, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology 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 bioinformatics, computational complexity, computer architecture, computer graphics, computer networks, computer simulation, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing and knowledge-based systems, neural networks, operating systems, parallel processing, quantum computing, and software engineering.

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 grants matching startup funds from EECS. To learn about the current status of research facilities and projects, visit faculty web pages. These may be found by following links from the EECS home page at http://www.eecs.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 technology, and for a lifetime of learning.

Program Educational Objectives

1. CS graduates demonstrate the knowledge and skills necessary to 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.
2. CS graduates have roles in professional careers including, but not limited to, the following: computer programmer, software engineer, software systems designer, software applications developer, technical software project lead, computer systems analyst, computer systems programmer, software applications tester and maintainer.
3. CS graduates demonstrate the knowledge and skills to do advanced studies and research in computer science and related engineering and scientific disciplines.
4. CS graduates demonstrate the communication skills, both oral and written, to become effective team-oriented problem solvers as well as effective communicators with non-technical stakeholders in their profession and/or community.

Student Outcomes

1. Apply knowledge of computing and mathematics appropriate to the discipline specifically to include the application of mathematics, science and engineering to solve and reason about computational problems.
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. 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.
4. Function effectively on teams to accomplish a common goal.

5. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. 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.
7. Analyze the local and global impact of computing on individuals, organizations and society.
8. Recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. Use current techniques, skills, and tools necessary for computing practices.
10. 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.
11. Apply design and development principles in the construction of software systems of varying complexity.
12. Demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
13. 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 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 careers 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:

1. Apply knowledge of computing and mathematics appropriate to the discipline.
2. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs and budget.
4. Function effectively on teams to accomplish a common goal.
5. Understand professional, ethical, legal, security and social issues and responsibilities.
6. Communicate effectively with a range of audiences.
7. Analyze the local and global impact of computing on individuals, organizations, and society.
Graduates demonstrate the technical competence necessary for implementation, and improvement of computer hardware, software, and disseminate the theory and methods for the design, analysis, networking, software engineering, and simulation systems.

Technical electives can give additional design experiences and desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

An ability to function on multidisciplinary teams.

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 (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences and opportunities to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power 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 demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
2. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.

Student Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. 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.
4. An ability to function on multidisciplinary teams.
Department of Electrical Engineering and Computer Science Policies and Procedures
The Department’s website (http://www.eecs.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 Karwowoski
ENG2 312; 407-823-2204; Fax: 407-823-3413
Faculty: Calabrese, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Pazour, Proctor, Rabelo, Reilly, Sepulveda, Thompson, Xanthopoulos, 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 estimation in EIN 3351, to work methods and processes that meet the needs of society.


Department of Materials Science and Engineering
Interim Chair: Sudipta Seal
ENG1 207; 407-823-2175; Fax: 407-882-1462
Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate courses in materials science and engineering and 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 nano/microstructure, processing and manufacturing, properties and performance of materials for applications in all aspects of science and engineering.

The department strives to meet the requirements for professional careers 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 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 "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 in order to perform effectively in a broad range of industrial, governmental and academic positions.
- Clear awareness of ethics, quality, environments, economy, and safety.
- Focused as life-long 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.
College of Engineering and Computer Science

Department of Mechanical and Aerospace Engineering

Interim Chair: Suryanarayana Challapalli
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 thermo-fluids and mechanical systems, including topics such as solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, heat transfer, and structure and properties of materials.

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 concurrent design, and 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 Mechanical 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 aerospace 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. Career Preparation: Graduates will find meaningful employment as engineers in aerospace and allied disciplines, or pursue graduate study in engineering, business, or allied areas. Graduates will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles.

2. Skills: Graduates will demonstrate skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.

3. Professionalism: Graduates will be able to communicate effectively, understand and undertake professional responsibilities, and function effectively as members and leaders of multidisciplinary teams in their chosen profession.

4. Life-long Learning: Graduates believe that their undergraduate aerospace engineering education was a wise investment and desire to continue to develop their knowledge and skills throughout their careers.

Student Outcomes

1. A broad and in-depth understanding of engineering/scientific principles and aerospace concepts in a core area of engineering. Students will have a command of aerodynamics, structures, propulsion, flight mechanics, and stability and control with an ability to apply these principles and concepts to design and analysis.

2. A broad understanding of social, cultural, and ethical principles and responsibilities.

3. An ability to identify, define and solve complex problems that cut across disciplines.

4. An ability to apply math, science, and engineering to problems at the interface between component design and system design.

5. An ability to communicate effectively using appropriate technology and efficiently using information resources.

6. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.

7. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
8. The ability to adapt to sociological and technological change.
9. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
10. The ability to use modern engineering tools in experiments, analysis, and design, and to assess the appropriateness of these tools.
11. An understanding of contemporary mechanical engineering applications of technology and their uses in 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:

- 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 course 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.

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 Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are:
- Must take EML 3500: Machine Design. Must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4505xxx: Analysis and Design of Machine Components (3hrs), or EML 4313: Intermediate Dynamics and Controls (3hrs) or EML 4143: 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.

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 Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are:
- AFR 3101: Fundamentals of Aerodynamics (3hrs) AFR 3810C: Design of Experiments (3hrs), EAS 4200: Design and Analysis of Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Propulsion Systems (3hrs) and 4 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Colonel Todd Freece
Classroom II/ROTC, Room 221; 407-823-1247, Fax: 407-823-2265

Faculty/Staff: Major Dennis Clark, Major Stephen Bridges, Major Jerry Halliett, Major Craig Labrecque, Technical Sergeant Michelle Stokes, Staff Sergeant Brianna Horton, and Mrs. Ellen McCade, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. Students enrolled in SECAF qualified technical majors are permitted five years to complete the AFROTC program. Students seeking to earn an Air Force commission participate in mandatory classroom academics, leadership laboratory, and physical conditioning during their freshman through senior years. The Department of Aerospace Studies also offers a “Cross-Town” program allowing local community college students to begin the Air Force ROTC program while dual enrolled in a designated community college for their undergraduate degree classes and at UCF as a non-degree seeking student for their Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum

Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:

1. General Military Course (GMC)
   - The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air, space, and cyber power into a prime element of American national security.

2. Professional Officer Course (POC)
   - The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Leadership Laboratory

Leadership Laboratory is a 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 determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course:
- Be at least 17 years of age at the time of acceptance.
- If entering Flight Training, complete the Professional Officer Course (POC) and all degree requirements prior to reaching age 29, or
- 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.
- Pass an Air Force medical examination.
- Pass the Air Force Physical Fitness Assessment each semester.
- Cumulative GPA of 2.5 or higher.
- Selection by the Professor of Aerospace Studies.
- Successful completion of a summer Field Training course.
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission.

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 three days each week.

Monetary Allowance

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships can provide for full tuition and fees, including an allowance for textbooks. Air Force ROTC scholarships do not provide funds for room and board expenses. For additional information on Air Force ROTC call 407-823-1247 or visit our website at http://airforce.ucf.edu or email us at AFROTC@ucf.edu. This information is subject to change.
Summer Training
All students must complete a four week summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL, prior to their formal enrollment in the Professional Officer Course Curriculum (typically the summer between sophomore and junior years). This course includes junior officer training, officer career orientation, physical condition- ing, and training for operations from austere forward deployed locations.

Officer Commissioning
Students who complete the Profession Officer Course are appointed 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 varies in length depending on their particular career area (typically four years). Such obligations are explained by detachment officers in detail during one-on-one counseling sessions conducted with each candidate.

Army ROTC (Military Science)
Chair: LTC Mario Johnson
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324
http://army.ucf.edu
Faculty/Staff: MAJ Barajas, MAJ Beam, CPT Lehman,SFC Reyes, SFC Martinez, MSG McSwain, Mr. Morales, Ms. Brown, Ms. David, Mr. Leonard, Ms. McBride, Office Manager

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 or accept a guaranteed Army Reserve or National Guard position. The program offers both a four-year and two-year option for students working on their Baccalaureate or Graduate degrees. 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 semester. The two-year option allows students with at least two academic years remaining to complete their degrees to 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 Forces Duty with Army 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 one hour 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 Field Training Exercise (FTX). 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) consists 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 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 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 $2000 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 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 $600.00 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; and 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 performance 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://oecs.ucf.edu/alc/alc_students_coecs.htm
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: hpinfo@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</td>
<td>MS</td>
</tr>
<tr>
<td>Health Services Administration</td>
<td>BS, MS</td>
</tr>
<tr>
<td>Health Sciences - Pre-Clinical Track</td>
<td>BS</td>
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<tr>
<td>Legal Studies</td>
<td>BA, BS</td>
</tr>
<tr>
<td>Nonprofit Management</td>
<td>MNM</td>
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<tr>
<td>Public Administration</td>
<td>BA, BS, MPA</td>
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<tr>
<td>Physical Therapy</td>
<td>PhD</td>
</tr>
<tr>
<td>Research Administration</td>
<td>DPT</td>
</tr>
<tr>
<td>Social Work</td>
<td>MRA</td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>BSW, MSW</td>
</tr>
<tr>
<td>Research Administration</td>
<td>MSURP</td>
</tr>
</tbody>
</table>
Department of Communication Sciences and Disorders
Chair: Richard Zraick
HPA2 101, 407-823-4798
http://www.cohaps.ucf.edu/comdis

Clinic Director: Debra Knox
Research Pavilion Suite 155, 407-882-0468

Faculty: Barreche-Doniger, Carson, DiNapoli, Dreilinger, B. Ehren, T. Ehren, Harvey, Hoffm-Ruddy, Hostetler, Kent-Walsh, Knox, Kong, Lieberman, Parsons, Ratusnik, Resnick, Rivers, Rosa-Lugo, Ryalls, Schwartz, Utt, Vanryckeghem, 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 pre-professional 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 or audiology 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 an 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: Roberto Potter
HPA1 311 407-823-2603

Faculty: Adams, Bohm, Childs, Craig, Eastep, Flint, Ford, Gau, Henderson, Holmes, Humiston, Jordan, Langworthy, Lucken, Mahan, Malendevych, Matusik, Moreto, Paolino, Potter, Randall, Reynolds, Rhyne, Rosky, Ross, Sanborn, Surette, Watkins, Winton, Wolf

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)

Tracks: Scholars Track

Minors: Criminal Justice


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 administration, 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 approved 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
HPA1 118/119; 407-823-2214

Faculty: Angelopoulos, Gual, Hanney, Levine, Pabian, Plant, Rothschild, Rovito, Saleh, Schellhase, Smith, Tucker, Webster, Worrell

The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training and a baccalaureate program in Health Sciences - Pre-Clinical Track.

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 affiliations 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: Pre-Clinical
Minors: Health Sciences

Department of Legal Studies

Chair: James Beckman
HPA1 343; 407-823-1670

Faculty: Bast, Beckman, Consalo, Cook, Cronon, Fromang, Koblasz, Meltzer, Milton, Pons, Schmidt, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. 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. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta (the Legal Studies professional society), the UCF Mock Trial Team and the UCF Moot Court teams.

Degrees: Legal Studies (BA, BS)
Minor: Legal Studies

School of Public Administration

Director: Mary Ann Feldheim
HPA2 238; 407-823-2604

Faculty: Abels, Blessett, Bryer, Colby, Feldheim, Fisher, Hawkins, Hu, Jurie, Kapucu, Knox, Korosce, Krick, Lawther, Littleton, Liou, Norris-Tirrell, Rogers, Smith

The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management, urban and regional planning, emergency management and homeland security. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The School prepares students for professional careers in public service at the city, county, state and federal levels, as well as in nonprofit organizations. Currently the public sector in the United States includes over 87,000 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 and other nonprofit organizations. 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)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Minor leading to National Certification by the Nonprofit Leadership Alliance
Certificates: Nonprofit Management

School of Social Work

Director: Bonnie Yegidis
HPA1 204; 407-823-2114

Faculty: Burg, Dziegielewski, Gammonley, Jacinto Hall, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Ramos, Salgado, Steen, Walsh, Withers, Yegidis

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds in a variety of settings under the direction of a preceptor. These local affiliations 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: 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://coeas.ucf.edu/alc/alc_students_cohepa.htm
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

Associate Dean for Faculty and Academic Affairs and Interim Director, Burnett School of Biomedical Sciences: Richard Peppler
COM 313J; 407-266-1101

Interim Associate Dean for Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
BBS 101G; 407-266-7119

The UCF College of Medicine through its Burnett School of Biomedical Sciences (BSBS) offers the second 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 biomedical 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 biomedical 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 2,900 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 will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is approximately 480 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.,</td>
</tr>
<tr>
<td>(Pre-professional Concentration)</td>
<td>Minor</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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</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.

UNIVERSITY OF CENTRAL FLORIDA 104 Undergraduate Catalog 2014-2015
The University of Central Florida College of Medicine will be the nation’s premier 21st century college of medicine — 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 and health care.

**Goals**
- Achieve excellence in medical and biomedical education
- Excel in research and discovery in biomedical science, medical education, and health care
- Provide outstanding individualized patient care while transforming health care delivery
- Be America’s leading partnership college of medicine
- Establish a diversified self-sustaining infrastructure to support future operations

**Burnett School of Biomedical Sciences**

**Associate Dean for Faculty and Academic Affairs and Interim Director, Burnett School of Biomedical Sciences:** Richard Peppler

**Associate Director of Academic Affairs (Burnett School of Biomedical Sciences):** Roseann White

HPA2 335J; 407-823-2914

**Associate Director of Facilities (Burnett School of Biomedical Sciences):** Robert Genarro

HPA2 339; 407-823-4866

**Associate Director of Research (Burnett School of Biomedical Sciences):** Sampath Parthasarathy

BBS 101G; 407-266-7119

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 Biomedical 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 Coordinator (Ph.D. Program):** Annette Khaled

BBS 355; 407-266-7035

**Associate Graduate Coordinator (Ph.D. Program):** Alexander Cole

BMS 236; 407-823-3633

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 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

**Biomedical Sciences Pre-professional Concentration (B.S.)**

**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/alc/lac_students_bcms.htm](http://oas.ucf.edu/alc/lac_students_bcms.htm)
The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health care needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today’s challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic 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 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 offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

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 Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 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.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners 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 and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, 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

Academic Advisement

Office of Undergraduate Student Services
UTWR 3rd floor; 407-823-2744
Email: ucfnurse@ucf.edu
http://www.nursing.ucf.edu

The College of Nursing Office of Undergraduate Student Services assists 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. Advisors are available through the Outreach Program for students on probation or for those having academic difficulty. Questions concerning university and college academic policies should be directed through this office.

Programs and Degrees

Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm
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, Bass, Baudelet, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvast, Soileau, Stegeman, 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.
The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so 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 be well prepared for their role as photonic scientists and engineers in society, and to have an awareness of relevant ethical, environmental, and economic issues.
2. Graduates will demonstrate competence leading to success in technical careers within the areas of Photonic Science and Engineering.
3. Graduates will demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
4. Graduates will be able to pursue life-long learning in their areas of interest, including graduate studies, service to the profession, and 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.

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://oeas.ucf.edu/alc/academic_learning_compacts.htm
College of Sciences
Dean: Michael Johnson
CSB 201A; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Cynthia Young
CSB 201A; 407-823-1912

Associate Dean: Jack M. McGuire
CSB 201A; 407-823-3684

Associate Dean: Teresa Dorman
CSB 201A; 407-823-5167

Associate Dean: Arlen F. Chase
CSB 201A; 407-823-2316

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; the Nicholson School of Communication; and the National Center for Forensic Science.

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, and the departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: http://www.graduatecatalog.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 in 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
PH 302; 407-823-2608

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COSAS 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>
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<tbody>
<tr>
<td>Actuarial Science</td>
<td>Minor</td>
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<tr>
<td>Advertising-Public Relations</td>
<td>BA</td>
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<tr>
<td>Anthropology</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Anthropology in Multicultural Studies</td>
<td>Minor</td>
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<tr>
<td>Astronomy</td>
<td>Minor</td>
</tr>
<tr>
<td>Behavioral Forensics</td>
<td>Undergraduate Certificate</td>
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<tr>
<td>Biology</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Biology-Preprofessional</td>
<td>BS Concentration</td>
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<tr>
<td>Biomedical Sciences</td>
<td>PhD</td>
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<tr>
<td>Chemistry</td>
<td>BS, MS, PhD, Minor</td>
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<tr>
<td>Chemistry-Biochemistry</td>
<td>BS Track</td>
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<tr>
<td>Clinical Psychology</td>
<td>MA</td>
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<tr>
<td>Communication</td>
<td>MA</td>
</tr>
<tr>
<td>Computer Forensics</td>
<td>Graduate Certificate</td>
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<tr>
<td>Conservation Biology</td>
<td>PSM, PhD, Graduate Certificate</td>
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<tr>
<td>Crime Scene Investigation</td>
<td>Undergraduate Certificate</td>
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<td>Crime, Law, and Deviance</td>
<td>Minor</td>
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<tr>
<td>Diplomacy</td>
<td>Minor, Undergraduate Certificate</td>
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<tr>
<td>Diversity &amp; Social Inequality</td>
<td>Minor</td>
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<tr>
<td>European Studies</td>
<td>Minor</td>
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<tr>
<td>Forensic Science</td>
<td>BS, MS</td>
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<tr>
<td>Global Peace &amp; Security Studies</td>
<td>Minor</td>
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<tr>
<td>Human Communication</td>
<td>BA, Minor</td>
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<tr>
<td>Industrial/Organizational Psychology</td>
<td>MS</td>
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<tr>
<td>International &amp; Global Studies</td>
<td>BA, Minor</td>
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<td>Journalism</td>
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<td>Journalism Studies</td>
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<td>Magazine Journalism</td>
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<tr>
<td>Mass Communication</td>
<td>Minor</td>
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<tr>
<td>Mass Culture &amp; Collective Behavior</td>
<td>Minor</td>
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<tr>
<td>Mathematical Biology</td>
<td>Minor</td>
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<tr>
<td>Mathematics</td>
<td>BS, Graduate Certificate, MS, PhD, Minor</td>
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<tr>
<td>Maya Studies</td>
<td>Graduate Certificate</td>
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<tr>
<td>Medical Anthropology</td>
<td>Minor</td>
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<tr>
<td>Medical Sociology</td>
<td>Minor</td>
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<td>Native American Studies</td>
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<td>North American Indian Studies</td>
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<tr>
<td>Physics</td>
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<td>Political Science</td>
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<td>Political Science-Pre Law</td>
<td>BA Track, Minor</td>
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<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
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<tr>
<td>Radio-Television</td>
<td>BA</td>
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<td>SAS Data Mining</td>
<td>Graduate Certificate</td>
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<tr>
<td>Security Studies</td>
<td>PhD</td>
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<tr>
<td>Social Sciences</td>
<td>BS</td>
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<tr>
<td>Sociology</td>
<td>BA, MA, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
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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 presentation 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), Human Communication (BA), Journalism (BA), Radio-Television (BA)
Specializations: Broadcast Journalism, Production, Broadcast Generalist
Minors: Journalism Studies, Human Communication, Magazine Journalism, Mass Communication

Department of Mathematics
Chair: Piotr Mikusinski
MSB 209; 407-823-2826
Email: math@ucf.edu
http://math.cos.ucf.edu
Associate Chair: Joseph P. Brennan
MSB 212; 407-823-2710
Assistant Chair: Tammy M. Muhs
MSB 215A; 407-823-4424
Undergraduate Coordinator: Constance M. Schober
MSB 312; 407-823-6284
Faculty: Bolano-Delahoz, Brennan, Cannon, Capursi, Carlson, Choudhury, Dunlop-Pyle, Dutkay, Griffiths, Han, Higgins, Islas, Katsevich, Kaup, Lee, Li, Martin, Michalak, Mikusinski, Mohapatra, Moore, Muhs, Nashed, Nevali, Pensky, Plemmons, Porchia, Qi, Reid, Richardson, Rollins, Ronkese, Schober, Shvamoggi, Shuai, Smith, Song, Sun, Swanson, Tamasan, Tovbis, Vajravelu, Yong, Young, Zhao

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: Talat Rahman
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 Filtiyan
PS 436; 407-823-2325
Faculty: Alcantara Ortigoza, Al-Rawi, Bhattacharya, Bindell, Bradley, Britt, Brueckner, Campins, Chang, Chen, Cheng, Chow, Colwell, Cooney, Del Barco, Daoudi, Dubey, Ethimiou, Fernandez, Filtiyan, Gonzalez Garcia, Harrington, Heinrich, Hong, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Luo, Martin, Montgomery, Muccio, Palotai, Peale, Rahman, Roldan-Cuena, Saha, Schulte, Stolbov, Tatulian, Turkowski, Velissaris, Zhao, Zhmudsky; Faculty Emeritus: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

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 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 (BS, MS, PhD)
Tracks: General Physics (with specializations in Materials Physics, Optics & Lasers, Computational Physics, and Astronomy)
Minors: Astronomy, Physics

Department of Political Science
Chair: Kerstin Hamann
HHP 302; 407-823-2608
Email: politics@ucf.edu
http://politicalscience.cos.ucf.edu/
Assistant Chair: Barbara Kinsey
Undergraduate Coordinator: Robert Bledsoe
PH 302; 407-823-2608

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 departmental 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:
College of Sciences

- African American Studies: Contact Kurt Young.
- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Waltraud Q. Morales or Paul Vasquez.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- 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

Certificates: Diplomacy

Department of Psychology
Chair: Jeffrey Cassisi
PSY 301L; 407-823-2216
Email: psychinfo@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: Bernard Jensen
Assistant Chair: Alisha Janowsky
Undergraduate Program Coordinator: Karen Cox


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 graduates 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: Jana Jasinski
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.cos.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzin

Faculty: Canan, J.S. Carter, S. Carter, Cook, Corzine, Donley, Ford, Gay, Grauerholz, Huff-Corzin, Jasinski, Koontz, Loree, Lynxwiler, Mustaine, Pritchard, Reckdenwald, Rivera, Sikorska-Simmons, Wright

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: D. Nickerson
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Faculty: Inghram, Jasen, Johnson, Maboudou-Tchao, Ni, Nickerson, J. Schott, S. Schott, Uddin, Wang, Yan

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://www.oeas.ucf.edu/alc/alc_students_cosci.htm
OFFICE OF UNDERGRADUATE STUDIES

Office of Undergraduate Studies
Interim Vice Provost and Dean: Elliot Vittes
MH 218; 407-823-2373
http://www.undergrad.ucf.edu
Interim Associate Dean: Heath Martin
MH 210; 407-823-2691

The Office 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 arbitrator 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
Interim Vice Provost and Dean: Elliot Vittes
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.
Office of Undergraduate Studies

Academic Advancement Programs
Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://mcnair.ucf.edu

Academic Advancement Programs (AAP) prepares highly motivated underrepresented and first generation college students to pursue advanced degrees. AAP works in collaboration with faculty, staff, local and national partners to provide a range of graduate preparation programs and services. Students have the opportunity to participate in a variety of initiatives designed to increase their awareness and knowledge of the graduate and professional school application process, graduate school funding, summer research programs, and fellowship opportunities. Current programs include the McNair Scholars Program, the Research and Mentoring Program, and the Graduate School Prep Academy.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Jamie Bolar, Luisa Cintron, Cassandra Everly, Peter Wallace

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, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Health and Pre-Law Advising
Interim Director: Elliot Vittes
Associate Director: Erin Myszkowski
FC 203; 407-823-3033
http://oppa.ucf.edu

The Office of Pre-Health and Pre-Law Advising provides guidance and support to students interested in pursuing careers in the health and legal professions. The Office provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropactic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and the Office assists "Pre-Professional" Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. The Office’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Office of Undergraduate Research
Director: Kimberly Schneider
TC2 209; 407-823-3125
http://our.ucf.edu

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

EXCEL Program
Director: Melissa Dagley
HEC 358; 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: TBA
CL1 206; 407-823-1342
http://if.ucf.edu

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 an initiative that supports student learning in a well-defined and focused area. In 2006, UCF selected information fluency (IF) as its QEP topic. The Quality Enhancement Plan Office actively supports faculty development, funds curricular and co-curricular projects that promote information fluency, publishes the Journal of Information Fluency, and hosts the annual Information Fluency conference.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.oeas.ucf.edu/alc/alc_students_us.htm
and succeed in their careers. Students also have the opportunity to
preparation and practical experiences that students need to enter
managerial roles across various industries. It provides both academic
The curriculum is designed to prepare students for a broad range of
customer experience.
that's transferable to both private and public entities that value the
relevant to every business, so students will benefit from an education
in the hospitality industry and beyond, and to apply creative decision-
knowledge, skills and abilities to identify opportunities and challenges
The educational mission of the College is to provide students with the
with wages exceeding $14 billion annually.
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.
The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.
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 large 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, teaching restaurant, and beer and wine laboratory completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS)
Restaurant and Food Service Management (BS)

Tracks: Theme Park and Attraction Management; Golf and Club Management

Minor: Hospitality Management; Event Management (exclusive to College of Arts and Humanities majors)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm
UCF DEGREE PROGRAMS

Accounting
Advertising-Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biography
Biology
Biology - Preprofessional Concentration
Biomedical Sciences
Biomedical Sciences - Preprofessional Concentration
Biotechnology
Business Administration
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice Scholar's Track
Criminal Justice - A.S. to B.S. Track
Digital Media
Early Childhood Development and Education
Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education
Track 2: Early Childhood Development
Early Childhood Development and Education
Track 3: Early Childhood Careers
Economics
Economics, Business
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Environmental Engineering
Event Management
Film - B.F.A.
Film - Cinema Studies Track
Finance
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French

General Business
General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Human Communication
Humanities and Cultural Studies
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Journalism
Latin American Studies
Law
Liberal Studies
(See Interdisciplinary Studies)
Management
Marketing
Mathematics
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nursing
Nursing - Accelerated Second Degree
B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - Concurrent A.S.N. to B.S.N. enrollment option
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Photonic Science and Engineering
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Real Estate
Religion and Cultural Studies
Restaurant and Foodservice Management

Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Exercise Science
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
UCF Legal Studies/Barry Law/Touro Law
Accelerated Legal Studies Degree Program
World Languages Education - French
World Languages Education - Spanish
Writing and Rhetoric
Accounting (B.S.B.A.)
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://www.bus.ucf.edu/accounting
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the General Education program and Gordon Rule, or an AA Degree from a Florida College System or State University System institution prior to admission to this degree.
- See Common Program Prerequisites.

Degree Requirements
- Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have a “C” (2.0) or better in each common program prerequisites class.
- A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
- Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on Lack of Progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an Accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
- A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations
     - Prefer SPC 1608 Fundamentals of Oral Communication (9 hrs)
   - B: Cultural & Historical Foundations
     - (9 hrs)
   - C: Mathematical Foundations
     - Required CGS 2100C Computer Fundamentals for Business (6 hrs)
     - Prefer MAC 1105C College Algebra (3 hrs)
   - D: Social Foundations
     - (6 hrs)
   - Select 1: (3 hrs)
     - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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:
ECO 3401 Quantitative Business Tools I (3 hrs)

or
1 MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I and (3 hrs)
2 Students must receive a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
1 or MAC 2311 and MAC 2312

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (53 hrs)
   - 1 GEB 3031 Cornerstone: Professional Skills for Business (3 hrs)
   - 2 GEB 3031L Cornerstone Lab: Professional Skills for Business (1 hr)
   - GEB 3005 Career Search Strategy (1 hr)
   - GEB 3003 Career Research & Planning (1 hr)
   - BUL 3130 Legal and Ethical Environment of Business (3 hrs)
   - ECO 3411 Quantitative Business Tools II (3 hrs)
   - FIN 3403C Business Finance (3 hrs)
   - GEB 3375 Introduction to International Business (3 hrs)
   - MAN 3025 Management of Organizations (3 hrs)
   - MAR 3023 Marketing (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)

1 Must be taken in 1st or 2nd semester.
2 Required to be taken with GEB 3031

Required courses for major: (24 hrs)
ACG 3131 Intermediate Financial Accounting I (3 hrs)
ACG 3141 Intermediate Financial Accounting II (3 hrs)
ACG 3361 Cost Accounting I (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)
ACG 4803 Advanced Issues in Financial Accounting (3 hrs)
TAX 4001 Taxation of Business Entities and Transactions (3 hrs)

5. Restricted Electives
   - None

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management (4 hrs)
   - This course is taken in the graduating term and requires the following prerequisites:
     - Fin 3403C Business Finance (3 hrs)
     - GEB 3031 Cornerstone: Professional Skills for Business (3 hrs)
     - GEB 3031L Cornerstone Lab: Professional Skills for Business (1 hr)
     - MAN 3025 Management of Organizations (3 hrs)
     - MAR 3023 Marketing (3 hrs)

7. Foreign Language Requirements
   - None
UCF Degree Programs

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
■ 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.

■ 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 each of the following sequences:

**Take all of the following sequences:**
- ACG 4903H Honors Directed Reading I or 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.

■ Professional courses should not be taken at a Florida College System institution in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

■ Any student receiving a business degree must complete one half (30) of the 60 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.

■ 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
■ 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 classes 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.

■ Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2001 and ACG 2011

Plan of Study

**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
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs

**Sophomore Year - Fall**
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Historical Foundation I 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- GEB 3031 Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3031L Cornerstone: Professional Skills for Business 3 hrs
- GEB 3003 Career Research & Planning 1 hr
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- FIN 3403C Business Finance 3 hrs
- MAR 3023 Marketing 3 hrs

**Junior Year - Spring**
- ACG 3361 Cost Accounting I 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Elective 3 hrs

**Senior Year - Fall**
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

**Senior Year - Spring**
- GEB 3005 Career Search Strategy 1 hr
- GEB 3010 Business Communication 3 hrs
- GEB 3015 Professional Issues in Business 3 hrs
- GEB 3033 Career Research & Planning 1 hr
- Elective 3 hrs

**Senior Year - Summer**
- ACG 4970H Undergraduate Honors Thesis 3 hrs
- GEB 4903H Honors Directed Reading I or Honors Directed Reading II 3 hrs
- ACG 4970H Honors Directed Reading II 3 hrs
- Elective 3 hrs

**Total Semester Hours Required**
■ 120
Senior Year - Spring 14 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Advanced Issues in Financial Accounting 3 hrs
- MAN 4720 Strategic Management 4 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.oeas.ucf.edu/aalc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aalc/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](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**
- 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.
- 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 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 80 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 SPC 1603C Fundamentals of Technical Presentations
   - **B: Cultural & Historical Foundations** (9 hrs)
     - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
     - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
     - Select one course from group B 2. 3 hrs
   - **C: Mathematical Foundations** (6 hrs)
     - Math 3 hrs
     - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
     - May substitute a higher level math with appropriate scores on the Math Placement Exam.
   - **Statistics** (3 hrs)
     - Required STA 2014C Principles of Statistics or STA 2015C 3 hrs
     - May substitute a more advanced STA course. 3 hrs
   - **D: Social Foundations** (6 hrs)
     - Economics 3 hrs
     - Suggested ECO 2023 Principles of Macroeconomics or ECO 2013 Principles of Microeconomics 3 hrs
   - **Social Sciences** (3 hrs)
     - Required ANT 2000 General Anthropology or ANT 2010 3 hrs
     - Required PSY 2012 General Psychology or PSY 2022 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.
     - Select either Economics course:
       - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
       - **GEP**
     - Select either Speech course:
       - SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations
       - **GEP**
   - 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:
**UCF Degree Programs**

Must be in progress or completed before applying to the program:

- 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 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 2 hrs
  - ECO 2013  Principles of Macroeconomics or 2 hrs

- Complete either speech class:
  - SPC 1608  Fundamentals of Oral Communication or 3 hrs
  - SPC 1603C  Fundamentals of Technical Presentations or 3 hrs

- Complete either statistics class:
  - STA 2014C  Principles of Statistics or 3 hrs
  - STA 2023  Statistical Methods I or 3 hrs

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 or 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 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

You may take either internship, but not both. 3 hrs

- ADV 4941  Internship or 3 hrs
- PUR 4941  Internship or 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.
- Achieve an overall “C” GPA (2.0) in Nicholson School of Communication 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

- 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; 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 or 1 hr

  Select 1: 3 hrs
  - ADV 4970H  Undergraduate Honors Thesis or 1 hr
  - PUR 4970H  Undergraduate Honors Thesis or 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

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
- 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.

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
- 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

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 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. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
- None

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.

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 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
  - Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

E: Science Foundations  (7 hrs)
- Suggested PHY 2048C Physics for Engineers & Scientists 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.
University of Central Florida

UCF Degree Programs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. MAC 2311C Calculus with Analytic Geometry I
2. MAC 2312 Calculus with Analytic Geometry II
3. MAC 2313 Calculus with Analytic Geometry III
4. MAP 2302 Ordinary Differential Equations I
5. PHY 2048C Physics for Engineers & Scientists I
6. PHY 2049C Physics for Engineers and Scientists II

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
  - CHM 2041 Chemistry Fundamentals IB
  - CHM 2045C Chemistry Fundamentals I

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 electives 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 (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)
   - EML 3217 Engineering Mechanics - 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://rmae.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
   - Admission: 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
    - 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 3990 Aerospace Career and Academic Faculty (4 hrs)
   - EAS 4991 Aerospace Career and Academic Faculty (4 hrs)

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 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
   - 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:
   - CHS 1440 Principles of Chemistry or (4 hrs)
   - CHM 2045C Chemistry Fundamentals I (4 hrs)
   - CHM 2040 Chemistry Fundamentals IA (3 hrs)
   - CHM 2041 Chemistry Fundamentals IB (3 hrs)

Preferred
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**Anthropology (B.A.)**

**College of Sciences**

**Department of Anthropology, Philips Hall, Room: 309**

[http://www.cos.ucf.edu/anthropology](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.

**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 grade of “C”(2.0) or better in all courses used for the major.
- 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)
   - C: Mathematical Foundations  (6 hrs)

2. **Math:**  (3 hrs)
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

3. **Statistics - Computers:**  (3 hrs)
   - Suggested STA 2014C Principles of Statistics 3 hrs

4. **D: Social Foundations:**  (6 hrs)
   - Suggested ANT 2000 General Anthropology 3 hrs
   - Select from GEP D.1 list 3 hrs

5. **E: Science Foundations:**  (6 hrs)
   - Required ANT 2511 The Human Species 3 hrs
   - Select from GEP E.1 list 3 hrs

6. **2. Common Program Prerequisites (CPP):**
   - See Transfer Notes for possible substitutes.
   - See “Common Prerequisites” in the Transfer and Transitions Services section.
   - ANT 2000 General Anthropology  GEP
   - ANT 2511 The Human Species  GEP

7. **3. Core Requirements: Basic Level:**  (6 hrs)
   - Core-Required, also satisfy the CPP
     - ANT 2140 Archaeology and the Rise of Human Culture and 3 hrs
     - ANT 2410 Cultural Anthropology 3 hrs
4. Core Requirements: Advanced Level (12 hrs)
ANT 3610 Language and Culture 3 hrs
ANT 4034 History of Anthropological Thought 3 hrs

Select 1:
ANT 3145 Archaeology of Complex Societies or 3 hrs
ANT 3115 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 Indians of the Southwest 3 hrs
ANT 3158 Florida Archaeology 3 hrs
ANT 3160 Americas Before Columbus 3 hrs
ANT 3161 Archaeology of Mexico 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 3 hrs
Dynamics Among African People in the Americas
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 4362 African Societies and Cultures 3 hrs

Restricted Electives 21 hrs
Select 7 additional upper-level Anthropology courses; these may include other area study courses or any other upper-level Anthropology courses that may be offered (see below for restrictions).

Only one of the following may be taken:
ANT 3115 Archaeological Method and Theory or 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 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 4970H Undergraduate Honors Thesis 1 hr

Any of the following may be taken:
ANT 251L Physical Anthropology Lab 1 hr
ANT 3026 Mummies, Zombies, and Vampires: 3 hrs
Anthropology of the Undead
ANT 3106 Archaeology and Popular Culture 3 hrs
ANT 3142 Old World Prehistory 3 hrs
ANT 3173 Archaeology of Sex 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 Cultural Ecology of Amazonia 3 hrs
ANT 3393 American Indian Literature and Culture in Florida
ANT 3398 Black/Seminate Relations 3 hrs
ANT 3541 Biobehavioral Anthropology 3 hrs
ANT 3550C Primatology 3 hrs
ANT 3701 Applied Anthropology 3 hrs
ANT 4027 Mummies, Life After Death 3 hrs
ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
1 ANT 4183 Anthropological Sciences 3 hrs
1 ANT 4184 Mortuary Archaeology 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
1 ANT 4303 Anthropology of Tourism 3 hrs
ANT 4408 Culture, Disease, and Healing 3 hrs
ANT 4462 Medical Anthropology 3 hrs
1 ANT 4467 Nutritional Anthropology 3 hrs
ANT 4521 Forensic Anthropology 3 hrs
ANT 4525C Human Osteology 4 hrs
ANT 4590 Anthropological Perspectives on Human Growth 3 hrs
1 ANT 4702 Culture, Power and Development 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
ANG 5168 Problems in Maya Studies 3 hrs
ANG 5167 Maya Hieroglyphics 3 hrs
ANG 5228 Maya Iconography 3 hrs
ANG 5742 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
A grade of “C” (2.0) or better in all courses used for the major.
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
Related Minors
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - African 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 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 3115 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
- 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 4456 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

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

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/
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.
UCF Degree Programs

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.

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.
   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)
- Completion of the A.A. in pre-Architecture from Valencia College or equivalent.

3. 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.
ARC 1201 Theory of Architecture 3 hrs
ARC 1301 Architectural Design I 4 hrs
ARC 1302 Architectural Design II 4 hrs
ARC 1701 History of Architecture I or equivalent 3 hrs
ARC 2180 Introduction to Digital Architecture 3 hrs
ARC 2303 Architectural Design III 5 hrs
ARC 2304 Architectural Design IV 5 hrs
ARC 2461 Materials and Methods of Construction 4 hrs
ARC 2702 History of Architecture II or equivalent 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Degree Program at UCF.
ARC 3181 Advanced Topics in Digital Architecture 3 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3463 Materials and Methods of Construction 2 3 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

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 (10 hrs)
- Any combination of course credit at the 3000 or 4000 level and approved internship credit to equal at least 10 hours.

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
- Public and Professional Writing

Related Minors
- Art - Studio
- Art History
- Cognitive Sciences
- 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 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 13 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

Freshman Year - Spring 13 hrs
ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
ARC 1701 Architectural History 01 (Valencia College) 3 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Undergraduate Catalog 2014-2015
## Sophomore Year - Fall
- 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 114C: College Trigonometry 3 hrs
- PHY 1053C: Introductory Physics 01 4 hrs

## Sophomore Year - Spring
- ARC 2304: Architectural Design 04 (Valencia College) 5 hrs
- ARC 2180: Introduction to Digital Architecture (Valencia College) 3 hrs
- ARC 2304: Architectural Design 04 (Valencia College) 5 hrs

## Junior Year - Fall
- ARC 3320L: Architectural Design 5 6 hrs
- ARC 3503: Architectural Structures 3 hrs
- ARC 3181: Advanced Topics in Digital Architecture 3 hrs
- Upper Division Elective 3 hrs

## Junior Year - Spring
- ARC 3321L: Architectural Design 6 6 hrs
- ARC 3610: Environmental Technology 1 3 hrs
- ARC 3743: Architectural History 3 3 hrs
- Upper Division Elective 3 hrs

## Junior Year - Summer
- Upper Division Elective 3 hrs

## Senior Year - Fall
- ARC 4322L: Architectural Design 7 6 hrs
- ARC 4220: Architectural Theory 2 3 hrs
- ARC 4620: Environmental Technology 2 3 hrs
- Upper Division Elective 3 hrs

## Senior Year - Spring
- ARC 4323L: Architectural Design 8 6 hrs
- ARC 3463: Materials and Methods of Construction 2 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
- 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
Phone: 407-823-2676

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 program 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.
- 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 maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.

### 1. UCF General Education Program (GEP)
- **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 MAC 1105C: College Algebra and 3 hrs
  - Required COP 2500C: Concepts in Computer Science 4 hrs

### 2. Common Program Prerequisites (CPP)
- **ARH 2050**: History of Western Art I 3 hrs
- **ARH 2051**: History of Western Art II 3 hrs
- **ART 2201C**: Design Fundamentals-Two Dimensional 3 hrs
- **ART 2030C**: Design Fundamentals-Three Dimensional 3 hrs
- **ART 2033C**: Drawing Fundamentals I 3 hrs
- **ART 2031C**: Drawing Fundamentals II 3 hrs
- **GRA 2101C**: Introduction to Computer Art 3 hrs
- Any ART prefix, studio, or media courses at the 2000-4000 level
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information
UCF Degree Programs

3. Core Requirements: Basic Level (18 hrs)
   - ARH 2500  History of Non-Western Art  3 hrs
   - ART 2823  Art as Interface  3 hrs
   - COP 2500C  Concepts in Computer Science GEP 3 hrs
   - MAC 1105C  College Algebra GEP 3 hrs
   - DIG 2000  Introduction to Digital Media  3 hrs
   - DIG 2030C  Digital Video Fundamentals  3 hrs
   - DIG 2109C  Digital Imaging Fundamentals  3 hrs
   - DIG 2500C  Fundamentals of Interactive Design  3 hrs

4. Core Requirements: Advanced Level (12 hrs)
   - DIG 3024  Digital Cultures & Narrative  3 hrs
   - DIG 3480C  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
     - Character Animation
       - 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 4359C  Artificial Environments and Effects Workshop  3 hrs
         - DIG 4394C  Motion Graphics: Advanced Compositing  3 hrs
         - DIG 4451C  Narrative Techniques in the Moving Image Workshop  3 hrs
         - DIG 4486C  Visual Language of Moving Image II  3 hrs
     - Experimental Animation
       - 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

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.
   - Electives
     - Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.

8. Electives
   - Unrestricted electives - credit hours varies with specialization. (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
    - Maintain 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.
    - 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
   - Art
   - English - Technical Communication

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 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
   - 15 hrs
   - ARH 2505  History of Western Art I  3 hrs
   - ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
   - ENC 1101  Composition I  3 hrs
   - MAC 1105C  College Algebra  3 hrs
   - GEP Science Foundation  3 hrs

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UNIVERSITY OF CENTRAL FLORIDA

128  Undergraduate Catalog 2014-2015
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<td></td>
<td><strong>Junior Year - Spring</strong></td>
<td>15 hrs</td>
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<td></td>
<td>DIG 4325C</td>
<td>Look Modeling Workshop</td>
<td>3 hrs</td>
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<td></td>
<td>DIG 4326C</td>
<td>Geometrical Modeling Workshop</td>
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<td></td>
<td>DIG 4395C</td>
<td>Artificial Environments and Effects Workshop</td>
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<td></td>
<td>DIG 4451C</td>
<td>Visual Storytelling and Visual Development</td>
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<td>FIL 3734C</td>
<td>Intermediate Animation</td>
<td>3 hrs</td>
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<td></td>
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<td>DIG 3355C</td>
<td>Artificial Environments and Effects</td>
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<td>Any 2000-4000 Level Art Studio or Media Course</td>
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<td>BFA Exhibit/Seminar</td>
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<td><strong>Graphic Design</strong></td>
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<td>ARH 2051</td>
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<td>ENC 1101</td>
<td>Composition II</td>
<td>3 hrs</td>
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<td>GEP</td>
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<td>GEP</td>
<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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<td>Social Foundation</td>
<td>3 hrs</td>
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<td>GEP</td>
<td>Communication Foundation</td>
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<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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<td>** Experimental Animation**</td>
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<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
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<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
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<td></td>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
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<td><strong>Sophomore Year - Spring</strong></td>
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<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
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<td></td>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
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<td></td>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
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<td></td>
<td>DIG 2106C</td>
<td>Digital Imaging Fundamentals</td>
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<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3 hrs</td>
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<td><strong>Freshman Year - Summer</strong></td>
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<td>GEP</td>
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<td>GEP</td>
<td>Cultural &amp; Historical Foundation</td>
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<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
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<td></td>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
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<td></td>
<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
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<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
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<td>GEP</td>
<td>Communication Foundation</td>
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<td></td>
<td><strong>Sophomore Year - Spring</strong></td>
<td>15 hrs</td>
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<td></td>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
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<td></td>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
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<td></td>
<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
<td>3 hrs</td>
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<td></td>
<td>DIG 2106C</td>
<td>Digital Imaging Fundamentals</td>
<td>3 hrs</td>
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<td></td>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
<td>3 hrs</td>
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</table>
Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I 4 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs
ARH 2500 History of Non-Western Art 3 hrs
DIG 3460C 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 3803C Intermediate Computer Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
GRA 4196C 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 4107C Special Problems in 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.o eas.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)
   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: 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
   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 GEP
   ARH 2051 History of Western Art II GEP
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   ARH 4310 Italian Renaissance Art 3 hrs
   ARH 4430 19th Century Art 3 hrs
   ARH 4450 20th Century Art 3 hrs
   ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   ENC 3315 Argumentative Writing 3 hrs

5. Restricted Electives (24 hrs)
   Select one Non-Western/Ancient Art History 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

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
  - GSA 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

Related Programs
- Art Education
- Art - Studio Art Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Art - Studio
- Community Arts - PAVE

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
- None

Plan of Study

Freshman Year - Summer
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

Sophomore Year - Fall
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 3315 Argumentative Writing 3 hrs
- ARH Restricted Elective 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs

Junior Year - Fall
- ARH 4430 19th Century Art 3 hrs
- ARH (Non-Western/Ancient) 3 hrs
- ARH Restricted Elective 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Fall
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs
- ARH Restricted Elective 3 hrs

Junior Year - Spring
- ARH 4310 Italian Renaissance Art 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs
- ARH Restricted Elective 3 hrs

Senior Year - Spring
- ARH 4450 20th Century Art 3 hrs
- Elective 3 hrs
- Upper Level Elective 3 hrs
- ARH 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: $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 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.
## UCF Degree Programs

- 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 level 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 year change with their degree change form.
- 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.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain 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)

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<tr>
<th>Section</th>
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<tbody>
<tr>
<td><strong>A:</strong> Communication Foundations</td>
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<tr>
<td><strong>B:</strong> Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
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<td>Take all of the following:</td>
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<td>Required:</td>
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<td>ARH 2050 History of Western Art I and 3 hrs</td>
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<td>Required:</td>
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<td>ARH 2051 History of Western Art II and 3 hrs</td>
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#### C: Mathematical Foundations

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<td>STA 1063C Basic Statistics Using Microsoft Excel</td>
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<td>1 May substitute a higher level math</td>
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#### D: Social Foundations

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#### E: Science Foundations

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### 2. Common Program Prerequisites (CPP)

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<tr>
<td>ARH 2050 History of Western Art I</td>
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<td>ARH 2051 History of Western Art II</td>
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<td>ART 2201C Design Fundamentals-Two Dimensional</td>
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<td>ART 2203C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
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<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
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<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>GRA 2101C Introduction to Computer Art</td>
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<tr>
<td>Any ART prefix, studio, or media courses at the 2000-4000 level</td>
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See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level

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<tr>
<td>ARH 2500 History of Non-Western Art</td>
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<tr>
<td>ART 2823 Art as Interface</td>
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### 4. Core Requirements: Advanced Level

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<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3950 Portfolio Review</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

**a. Specialization:** 18 hrs
- Select six upper division courses from one area:

#### Book Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3170C Book Binding or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3171C Materials for Artist Books or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Ceramics/Sculpture Combination

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3761C Intermediate Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3764C Ceramic Handbuilding I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4783C Advanced Ceramics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 4786C Ceramic Raw Material or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3709C Intermediate Sculpture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4710C Advanced Sculpture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Drawing

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4320C Advanced Drawing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Drawing/Printmaking Combination

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4320C Advanced Drawing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 3433C Screenprinting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4402C Advanced Printmaking</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Drawing/Illustration Combination

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4320C Advanced Drawing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3747C Intermediate Illustration I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GRA 4154C Advanced Illustration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Painting

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3504C Intermediate Painting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ART 4505C Advanced Painting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Photography

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3410C Intermediate Photography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PGY 4420C Advanced Photography or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 4440C Special Problems in Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May be repeated for credit.

### b. Electives in Art: 15 hrs

- Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization: Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

### c. Additional Electives 9 hrs

- Select three upper division Art History courses or
- Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

### 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 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 department.

### 9. Additional Requirements

#### None

### 10. Required Minors

#### None

### 11. Departmental Exit Requirements (3 hrs)

- ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)
Sophomore Year - Spring 15 hrs

Senior Year - Fall 18 hrs

Junior Year - Fall 13 hrs

Senior Year - Spring 15 hrs

Junior Year - Spring 16 hrs

Junior Year - Fall 18 hrs

Senior Year - Fall 18 hrs

Senior Year - Spring 15 hrs

Program Academic Learning Compacts

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.

Please refer to the UCF Degree Programs for more detailed information.
UCF Degree Programs

- 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)
- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- Select a course from group B.1

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I
- Required ARH 2051 History of Western Art II
- Select a course from group B.1

C: Mathematical Foundations (6 hrs)
- Math: 6 hrs
  - Suggested MGF 1106 Finite Mathematics or
  - Suggested MGF 1107 Explorations in Mathematics or

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
- 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.

2. Common Program Prerequisites (CPP) (18 hrs)
- ARH 2050 History of Western Art I
- ARH 2051 History of Western Art II
- ART 2300C Drawing Fundamentals I
- ART 2201C Design Fundamentals-Two Dimensional
- ART 2202C Design Fundamentals-Three Dimensional
- ART 2301C Drawing Fundamentals I
- ART 2302C Design Fundamentals-II
- GRA 2101 Introduction to Computer Art
- Any ART 2XXX-4XXX studio or media course.

3. Core Requirements: Basic Level (6 hrs)
- ARH 2500 History of Non-Western Art
- ART 2823 Art as Interface
- ART 3950 Portfolio Review

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 Illustrated Book 3 hrs

Ceramics
- ART 3761C Intermediate Ceramics 3 hrs

Drawing and Printmaking
- ART 3322C Intermediate Drawing 3 hrs
- ART 3433C Screenprinting 3 hrs

Illustration
- GRA 3747C Intermediate Illustration I 3 hrs
- GRA 4154C Advanced Illustration 3 hrs

Painting
- ART 3504C Intermediate Painting 3 hrs
- ART 4505C Advanced Painting 3 hrs

Photography
- PGY 3410C Intermediate Photography 3 hrs
- PGY 4420C Advanced Photography 3 hrs
- PGY 4440C Special Problems in Photography 3 hrs

Sculpture
- ART 3709C Intermediate Sculpture 3 hrs
- ART 4710C Advanced Sculpture 3 hrs

Time Arts
- ART 3161 Mixed Media 3 hrs
- ART 3833C Processes and Ideas in Art 3 hrs
- ART 4634C Web Art 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Met by graduation 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
- 120
- 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
Plan of Study

may be substituted with:

Acceptable Substitutes for Transfer Courses

For common program prerequisites if taken.

GEP Cultural & Historical Foundation

Senior Year - Fall

Restricted Elective

Upper Level Elective

Senior Year - Spring

Restricted Elective

Upper Level Elective

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

U.S. Department of Justice

Federal Student Aid

http://www.fafsa.gov

Advising Notes

http://svad.cah.ucf.edu/students

svadadvising@ucf.edu

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.

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 3 hrs

Suggested ARH 2051 History of Western Art II and 3 hrs

Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)

Math:

Suggested MGF 1108 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

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 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

ART 2200C Design Fundamentals-Two Dimensional 3 hrs

ART 2300C Drawing Fundamentals I 3 hrs

ART 2301C Drawing Fundamentals II 3 hrs

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

ART 2050 History of Western Art I GEP

ART 2051 History of Western Art II GEP

1 GRA 2101C Introduction to Computer Art 3 hrs

ART 2000-4000 Any ART prefix, studio, or media course 3 hrs
UCF Degree Programs

See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
   - ART 2823 Art as Interface 3 hrs
   - ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   - ART 3950 Portfolio Review 0 hrs

1 Only required if the student intends to enroll in courses that require this as a pre-requisite

5. Restricted Electives (21 hrs)
   - Select restricted electives as required from each of these four areas of emphasis:
     - Aesthetics and Theory 6 hrs
       - Select 2: 6 hrs
         - ARH 4450 20th Century Art or 3 hrs
         - ARH 3710 History of Photography I or 3 hrs
         - ARH 3711 History of Photography II or 3 hrs
         - ARH 3720 History of Prints or 3 hrs
         - ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
         - PHI 3900 Aesthetics 3 hrs
     - Written Communication 3 hrs
       - Select 1: 3 hrs
         - DIG 3024 Digital Cultures & Narrative or 3 hrs
         - ENC 3241 Writing for the Technical Professional or 3 hrs
         - ENC 3250 Professional Writing or 3 hrs
         - ENC 3311 Essay as Cultural Commentary or 3 hrs
         - ENC 4416 Writing in Digital Environments 3 hrs
     - Information Management 6 hrs
       - Select 2: 6 hrs
         - DIG 3043 Evolution of Video Games or 3 hrs
         - DIG 3525 Digital Media Production I or 3 hrs
         - DIG 3480C Computer as a Medium or 3 hrs
         - DIG 3663 Information Management and Entrepreneurship or 3 hrs
         - DIG 3716C Internet Interaction or 3 hrs
         - DIG 4630C Media Business Practices or 3 hrs
         - DIG 5565C Digital Asset Management Systems or 3 hrs
         - FIL 4040 Animation Film History for Non Film Majors 3 hrs
     - Business 3 hrs
       - Select 1: 3 hrs
         - GEB 3113 Creativity and Entrepreneurship or 3 hrs
         - MARS 3023 Marketing or 3 hrs
         - MAN 3025 Management of Organizations or 3 hrs
         - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - Arts Management 3 hrs
       - Select one:
         - FIL 5612 Film and Internet Business 3 hrs
         - ARE 3944 Community Arts Practicum 3 hrs
         - ARE 4280 Methods in Art Administration 3 hrs
         - ARH 3820 Visual Arts Administration Vitas 3 hrs
         - FIL 4647 Film Production Management 3 hrs
         - PGY 3480 Museum and Gallery Practices 3 hrs
     - Capstone Requirements
       - DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements Admissions
   - Met by graduation requirement
   - 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.

UNIVERSITY OF CENTRAL FLORIDA 136 Undergraduate Catalog 2014-2015
Sophomore Year - Spring 15 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
GEP Science Foundation 3 hrs
GEP Cultural & Historical Foundation 3 hrs

Junior Year - Fall 16 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
Foreign Language Elementary Level I 4 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs

Senior Year - Spring 19 hrs
Foreign Language Elementary Level II 4 hrs
Elective 3 hrs
Elective 3 hrs
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 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level Elective 3 hrs
Upper Level 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: $31.50 per term
- Full-Time Student: $63 per term

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
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

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
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
1 Required ARH 2050 History of Western Art I 3 hrs

C: Mathematical Foundations (6 hrs)
Preferred MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)
Preferred POS 2041 American National Government 3 hrs
Preferred PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Preferred PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
Preferred ANT 2511 The Human Species or
Preferred 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.

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
ART 2300C Drawing Fundamentals I 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
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: 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 CPP
ART 2201C Design Fundamentals-Two Dimensional CPP
ART 2203C Design Fundamentals-Three Dimensional CPP
ART 2300C Drawing Fundamentals I CPP
ART 2301C Drawing Fundamentals II CPP
GRA 2101C Introduction to Computer Art 3 hrs
ART 2754C Beginning Ceramics 3 hrs
ART 2500C Beginning Painting 3 hrs
PGY 2401C Beginning Photography 3 hrs
### Lifelong Learning Track

**MHS 2330**  
Career Planning  
3 hrs

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 or Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDP 2270</td>
<td>Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Core Requirements: Advanced Level (42 hrs)

- Education Track requires 54 semester hours
- Lifelong Learning Track requires 42 semester hours

**Education Core Requirements**

- Education Track requires 15 semester hours of Education Core Requirements
- Lifelong Learning Track requires 18 semester hours of Education Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<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>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</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>
</tbody>
</table>

**Lifelong Learning Track**

- EEX 4242  
  Teaching Exceptional Students in Secondary Settings  
  3 hrs

1 Prerequisite for Internship I (Education Track Only)

**Education Track Specialization Requirements 24 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4356</td>
<td>Teaching Art Appreciation &amp; Criticism in the Classroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4352</td>
<td>Teaching Art in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4250</td>
<td>Art for Exceptionalities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4453</td>
<td>Studio Experiences in Art Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any 3000 or 4000 level ART, ARE, ARH, PGT (with advisor's approval)</td>
<td>9 hrs</td>
<td></td>
</tr>
</tbody>
</table>

**Internship I**

- 3 hrs
  - Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art 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 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/clinicalexp/
  - 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-5.066.
  - ARE 4941 Internship  
    12 hrs

**Internship II**

- 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/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-5.066.
  - ARE 4941 Internship  
    12 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4356</td>
<td>Teaching Art Appreciation &amp; Criticism in the Classroom</td>
<td>3 hrs</td>
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<tr>
<td>ARE 4351</td>
<td>Teaching Art in the Elementary School</td>
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<tr>
<td>ARE 4352</td>
<td>Teaching Art in the Secondary School</td>
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<tr>
<td>EDF 4941</td>
<td>Directed Field Experience</td>
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<td>EDF 4948</td>
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<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
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<td>DIG 2030C</td>
<td>Digital Video Fundamentals</td>
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<td>DIG 2109C</td>
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<tr>
<td>DIG 2500C</td>
<td>Fundamentals of Interactive Design</td>
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<td>DIG 3811</td>
<td>User-Centered Design</td>
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<td>Developmental Psychology</td>
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<tr>
<td>DEP 3020</td>
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<td>EXP 3604C</td>
<td>Cognitive Psychology</td>
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<tr>
<td>EXP 3250</td>
<td>Principles of Human Factors Psychology</td>
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<td>EAB 303C</td>
<td>Principles of Behavior Modification</td>
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<td>MAN 4101</td>
<td>Human Relations in Management</td>
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<td>MAR 3023</td>
<td>Marketing</td>
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<td>Curriculum Development Techniques for Industry Training</td>
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<td>Introduction to the Hospitality and Tourism Industry</td>
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<tr>
<td>HFT 2750</td>
<td>The Event Industry</td>
<td>3 hrs</td>
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<td>HFT 3798</td>
<td>Fairs and Festivals</td>
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<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.
### UCF Degree Programs

- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

**Education Track**
- Pass all applicable sections of the Florida Teacher Certification Examination.

- **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.

### Freshman Year - Fall
- **AMH 2010** U.S. History: 1492-1877 3 hrs
- **ENC 1101** Composition I 3 hrs
- **MGF 1106** Finite Mathematics 3 hrs
- **ARH 2050** History of Western Art I 3 hrs
- **PSY 2012** General Psychology 3 hrs

### Freshman Year - Spring
- **AMH 2020** U.S. History: 1877-Present 3 hrs
- **ARH 2051** History of Western Art II 3 hrs
- **ENC 1102** Composition II 3 hrs
- **ART 2201C** Design Fundamentals-Two Dimensional 3 hrs

### Freshman Year - Summer
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
- **PSC 1121** Physical Science 3 hrs

### Sophomore Year - Fall
- **ART 2203C** Design Fundamentals-Three Dimensional 3 hrs
- **BSC 1005** Biological Principles 3 hrs
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **STA 2014C** Principles of Statistics or 3 hrs
  - **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs

### Sophomore Year - Spring
- **GPA 2101C** Introduction to Computer Art 3 hrs
- **ART 2300C** Drawing Fundamentals I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs
- **POS 2041** American National Government 3 hrs

### Sophomore Year - Summer
- **TSL 4080** Theory and Practice of Teaching ESOL 3 hrs
  - **Students in Schools**
- **ART 2301C** Drawing Fundamentals II 3 hrs

### Junior Year - Fall
- **PGY 2401C** Beginning Photography 3 hrs
- **EDC 4467** Learning Theory and Assessment 3 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **ART 2500C** Beginning Painting 3 hrs

### Education Track
- **ARE 4356** Teaching Art Appreciation & Criticism in the Classroom 3 hrs

### Lifelong Learning Track
- **MHS 2330** Career Planning and 3 hrs
- **EEC 4242** Teaching Exceptional Students in Secondary Settings and 3 hrs

### Lifelong Learning Track Select 1:
- **EDF 2130** Child and Adolescent Development for Educators or 3 hrs
- **EDP 2270** Adult Development & Learning 3 hrs

### Lifelong Learning Track Select 2:
- **PGY 2401C** Beginning Photography 3 hrs
- **EDC 4467** Learning Theory and Assessment 3 hrs
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **ART 2500C** Beginning Painting 3 hrs

### Junior Year - Spring
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs

### Education Track
- **ARE 4352** Teaching Art in the Secondary School and 3 hrs
- **ARE 4250** Art for Exceptionalities and 3 hrs
- **ARE 4453** Studio Experiences in Art Education and Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- **MHS 2330** Career Planning and 3 hrs
- **EEC 4242** Teaching Exceptional Students in Secondary Settings and 3 hrs

### Lifelong Learning Track Select 1:
- **EDF 2130** Child and Adolescent Development for Educators or 3 hrs
- **EDP 2270** Adult Development & Learning 3 hrs

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### Senior Year - Fall
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

### Education Track
- **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
- **Choose a Lifelong Learning Specialization course 3 hrs

### Senior Year - Spring
- **ARE 4352** Teaching Art in the Secondary School and 3 hrs
- **ARE 4250** Art for Exceptionalities and 3 hrs
- **ARE 4453** Studio Experiences in Art Education and 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
UCF Degree Programs

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
Kristen C. Schellhase
Phone: 407-823-2747

Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur. Acceptance into the University does not constitute admission into the Program in Athletic Training.
  - A minimum of 2.75 overall grade point average and a minimum grade of "C" (2.0) in program prerequisites.
  - Completion of an AA degree from a Florida College or completion of UCF’s General Education Program.
- This 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. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Consent of Program Director.
- A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed 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.

Technical Standards Requirement
- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. 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 establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
- Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.
  - The technical standards for admission into the Program in Athletic Training include:
    - The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
    - Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
    - The ability to communicate 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 judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
    - The ability to record the physical examination results and a treatment plan clearly and accurately;
    - The capacity to maintain composure and continue to function well during periods of high stress;
    - The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
    - Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations; and
    - Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements
- Students who are accepted into the Program in Athletic Training must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida College System or State University System
- Students should consult with a departmental advisor
- 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 Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida College, and should usually be completed in the first 60 hours.

UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I
- Suggested MAC 1114C College Trigonometry

C: Mathematical Foundations (6 hrs)
- Required STA 2023 Statistical Methods I
- Suggested MAC 1114C College Trigonometry

D: Social Foundations (6 hrs)
- Required STA 2023 Statistical Methods I
- Suggested MAC 1114C College Trigonometry

E: Science Foundations (8 hrs)
- Required STA 2023 Statistical Methods I
- Suggested MAC 1114C College Trigonometry

Select 1: (3 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication

2. Required BSC 2010C Biology I

3. Select 1: (3 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication

4. Select 1: (3 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication

5. Select 1: (4 hrs)
- Suggested SPC 1608 Fundamentals of Oral Communication
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: 4 hrs
     - 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 Physics for Engineers & Scientists 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.
     - ATR 4014C Principles of Athletic Training Lab  3 hrs
     - ATR 3102 Principles of Athletic Training  3 hrs
     - ATR 3012C Clinical Skills for Athletes 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 4512C 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 4606 Applied Fitness in Sport  3 hrs
     - ATR 4642L Practicum in Athletic Training IV  4 hrs
     - ATR 4103 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.

9. Additional Requirements
   - None

10. Required Minors
    - None
## Plan of Study

### Freshman Year - Fall
- 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

### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- POS 2041: American National Government 3 hrs
- BSC 2010C: Biology I 4 hrs
- MAC 1114C: College Trigonometry 3 hrs

### Sophomore Year - Fall
- PHY 2033C: College Physics I 4 hrs
- ZOO 3733C: Human Anatomy 4 hrs
- STA 2023: Statistical Methods I 3 hrs
- Select 1: 3 hrs

### Sophomore Year - Spring
- ATR 4112L: Acute Care in Athletic Training 1 hr
- ATR 4103: Case Studies in Sports Medicine 3 hrs
- ATR 4933: Athletic Training Seminar 1 hr
- Select 1: 3 hrs

### Junior Year - Summer
- ATR 3013C: Clinical Skills for Athletic Training II 3 hrs
- ATR 3812L: Practicum in Athletic Training II 4 hrs
- Select 1: 3 hrs

### Junior Year - Spring
- 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

### Senior Year - Fall
- ATR 4315C: Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4853L: Practicum in Athletic Training III 4 hrs

### Senior Year - Spring
- ATR 4933: Athletic Training Seminar 1 hr
- PET 4806: Applied Fitness in Sport 3 hrs
- ATR 4103: Case Studies in Sports Medicine 3 hrs
- ATR 4112L: Acute Care in Athletic Training 1 hr

### 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.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- 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, Biology majors are expected to have completed the following courses and associate 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.

### University of Central Florida

**Biology (B.S.)**

**College of Sciences**

**Department of Biology, BL, Room: 301**

**http://www.cos.ucf.edu/biology**

**Email:** biology@ucf.edu

Frank Logiudice
Phone: 407-823-2141

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**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: $19.50 per term
- Full-Time Student: $39 per term

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**1. UCF General Education Program (GEP) (38 hrs)**

- Note: Certain courses must be selected in the 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
- Preferred: SPC 1603C: Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

- http://www.cos.ucf.edu/biology
2. Common Program Prerequisites (CPP) (16 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 and 3 hrs
  - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (8 hrs)

4. Core Requirements: Advanced Level (13 hrs)

5. Restricted Electives (22 hrs)

C: Mathematical Foundations (6 hrs)
Mathematics:
- Note: 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
Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

Statistics
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

- or - both of the following:
  - Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

- or:
  - Required BSC 2010C Biology I GEP
  - Required BSC 2011C Biology II GEP
  - Preferred BSC 2010C Biology I and GEP/CPP

Biology:
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Chemistry:
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test
- 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 and 3 hrs
  - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 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 and 3 hrs
  - Required CHM 2041 Chemistry Fundamentals IB 3 hrs

- or:
  - Required BSC 2010C Biology I GEP
  - Required BSC 2011C Biology II GEP
  - Preferred BSC 2010C Biology I and GEP/CPP

- or - both of the following:
  - Required CHM 2046 Chemistry Fundamentals II and 3 hrs
  - Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Math:
- Select one math course and this statistics course.
- Note: Prior to enrolling in Math, take Math Placement Test- http://utc.sdes.ucf.edu
  - Recommended MAC 2233 Concepts of Calculus or 3 hrs
  - Recommended MAC 2253 Applied Calculus or 3 hrs
  - Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

Physics:
- Complete one entire sequence
  - PHY 2053C College Physics I and 4 hrs
  - PHY 2054C College Physics II 4 hrs

- or:
  - PHY 2048C Physics for Engineers & Scientists I and 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

5. Restricted Electives (22 hrs)

- or:
  - Required CHM 2050 Introduction to Organic and Biochemistry 5 hrs
  - Required CHM 3120 Analytical Chemistry and 3 hrs
  - Required CHM 3120L Analytical Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 hrs)

- 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.

- or:
  - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - Preferred MAC 2311C Calculus with Analytic Geometry I 4 hrs

Courses at the 5000 level are only open to seniors and beginning graduate students.
## UCF Degree Programs

### Form/Function

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<td>Biochemistry II or</td>
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<tr>
<td>ZOO 3713C</td>
<td>Comparative Vertebrate Anatomy or</td>
<td>5</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy or</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development or</td>
<td>5</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Offered in Biology department.
3. Fulfills Zoology requirement. Offered in Biology department.

### Environmental

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 3018C</td>
<td>Culinary Botany Across the Cultures or</td>
<td>3</td>
</tr>
<tr>
<td>BOT 3152C</td>
<td>Local Flora or</td>
<td>3</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany or</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4650</td>
<td>Medicinal Botany or</td>
<td>3</td>
</tr>
<tr>
<td>BSC 3032</td>
<td>Conservation Biology or</td>
<td>3</td>
</tr>
<tr>
<td>BSC 3312</td>
<td>Principles of Marine Biology or</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Biology or</td>
<td>4</td>
</tr>
<tr>
<td>BSC 4330</td>
<td>Invasion Biology or</td>
<td>3</td>
</tr>
<tr>
<td>BSC 4821</td>
<td>Biogeography of Florida or</td>
<td>4</td>
</tr>
<tr>
<td>BSC 4861L</td>
<td>SL Sustainability:Socially &amp; Economically Viable</td>
<td>3</td>
</tr>
<tr>
<td>BSC 5258L</td>
<td>Tropical Biology Research and Conservation or</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3044L</td>
<td>Principles of Ecology Laboratory or</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3343L</td>
<td>Principles of Field Ecology or</td>
<td>5</td>
</tr>
<tr>
<td>PCB 3354</td>
<td>Tropical Ecology and Conservation or</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3355L</td>
<td>Tropical Marine Biology or</td>
<td>2</td>
</tr>
<tr>
<td>PCB 3442</td>
<td>Aquatic Ecology or</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5435C</td>
<td>Marine Ecology of Florida or</td>
<td>4</td>
</tr>
<tr>
<td>PCB 5458S</td>
<td>Models in Ecology or</td>
<td>3</td>
</tr>
<tr>
<td>PAZ 4234</td>
<td>Zoo and Aquarium Management or</td>
<td>3</td>
</tr>
<tr>
<td>ZOO 4513</td>
<td>Animal Behavior or</td>
<td>3</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Offered in Biology department.
3. variable credit 2-5 hours

### Systematic

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3550C</td>
<td>Primatology or</td>
<td>3</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>General Mycology or</td>
<td>4</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy or</td>
<td>5</td>
</tr>
<tr>
<td>ENY 4004C</td>
<td>General Entomology or</td>
<td>4</td>
</tr>
<tr>
<td>ENY 5006C</td>
<td>Entomology or</td>
<td>4</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology or</td>
<td>5</td>
</tr>
<tr>
<td>ZOO 4205C</td>
<td>Biology and Ecology of Metazoan</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4310C</td>
<td>Vertebrate Evolution &amp; Ecology or</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 4480</td>
<td>Vertebrate Anatomy or</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 5456C</td>
<td>Ichthyology or</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 5463C</td>
<td>Herpetology or</td>
<td>4</td>
</tr>
<tr>
<td>ZOO 5475L</td>
<td>Field Ornithology or</td>
<td>3</td>
</tr>
</tbody>
</table>

1. Fulfills Botany requirement. Offered in Biology department.
2. Fulfills Zoology requirement. Offered in Biology department.

### 6. Capstone Requirements

- None

---

**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 minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives used to satisfy the requirement.

- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation.

- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

**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**

- 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**

- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
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/

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

<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>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Math Course, depending on placement score</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</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>BSC 2011C</td>
<td>Biology II</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>Note: This lab may be taken in a later term if seats are not available. ENC 1102 Composition II</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective or Math course if needed</td>
<td>3 hrs</td>
<td></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>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3044</td>
<td>Principles of Ecology</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>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>Note: This lab may be taken in a later term if seats are not available. STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>5 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>5 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
<td></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>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>4 hrs</td>
<td></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>PCB 4683</td>
<td>Evolutionary Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>2 hrs</td>
<td></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>Restricted Elective</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
<td></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/al/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biology - Preprofessional Concentration (B.S.)

College of Sciences

Department of Biology, Biology, Room: 301

http://www.cos.ucf.edu/biology

Email: biology@ucf.edu

Frank Logiudice
Phone: 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

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 Biology Department.

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 must earn a "C" (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.

All prerequisites of courses taught within the College of Sciences will be enforced.

Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.

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. 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.

<table>
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<tr>
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<th>Hours</th>
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<td>4 hrs</td>
</tr>
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<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>
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<td>Organic Chemistry I</td>
<td>3 hrs</td>
</tr>
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<td>PHY 2053C</td>
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<td>4 hrs</td>
</tr>
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<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>
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</tr>
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</tr>
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<td>PHY 2053C</td>
<td>College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2054C</td>
<td>College Physics II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

#### 1. UCF General Education Program (GEP)  
(39 hrs)
- Note: Certain courses must be selected in the 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
- Preferred SPC 1603C Fundamentals of Technical Presentations  3 hrs

##### B: Cultural & Historical Foundations  
(9 hrs)
- Required STA 2023 Statistical Methods I  3 hrs

##### C: Mathematical Foundations  
(7 hrs)
- Mathematics:  4 hrs
  - Note: Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu
  - Required 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)
- Social Foundations:  3 hrs
  - Note: 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;
- Note: 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
  - and
  - Required CHM 2041 Chemistry Fundamentals IB  3 hrs

##### 2. Common Program Prerequisites (CPP)  
(16 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

##### Biology:  
4 hrs
- Note: 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 and GEP
  - BSC 2011C Biology II  4 hrs

##### Chemistry:  
- Required CHM 2045C Chemistry Fundamentals I  GEP
- Required CHM 2040 Chemistry Fundamentals IA and GEP
- Required CHM 2041 Chemistry Fundamentals IB  GEP
- or:  
- Required CHM 2046 Chemistry Fundamentals II and GEP
- Required CHM 2048L Chemistry Fundamentals Laboratory  1 hr

##### Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
- STA 2023 Statistical Methods I  GEP

##### Physics:
- PHY 2048C Physics for Engineers & Scientists I and 3 hrs
- PHY 2049C Physics for Engineers & Scientists II  4 hrs

#### 3. Core Requirements: Basic Level  
(8 hrs)
- All courses specifically identified in the proceeding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

##### Biology:  
- 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.
  - BSC 2010C Biology I and GEP
  - BSC 2011C Biology II  GEP

##### Chemistry:  
- CHM 2045C Chemistry Fundamentals I  GEP
- or:  
  - CHM 2040 Chemistry Fundamentals IA and GEP
  - CHM 2041 Chemistry Fundamentals IB  GEP
- and:  
  - CHM 2046 Chemistry Fundamentals II and GEP
  - CHM 2048L Chemistry Fundamentals Laboratory  GEP

##### Math:
- MAC 2311C Calculus with Analytic Geometry I and GEP
- STA 2023 Statistical Methods I  GEP

##### Physics:
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2049C Physics for Engineers & Scientists II  4 hrs

#### 4. Core Requirements: Advanced Level  
(13 hrs)
- 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 3036 Genetics  3 hrs
  - PCB 4883 Evolutionary Biology  4 hrs

#### 5. Restricted Electives  
(22 hrs)
- The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.
  - Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
  - At least three credit hours from each group must be completed.
  - At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
  - 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.
  - Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

##### Form/Function
- Complete a minimum of one lecture course  3 hrs from this group.
  - Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.
  - BCH 4053 Biochemistry I or  3 hrs
  - BCH 4054 Biochemistry II or  3 hrs
  - PCB 3063L Genetics Laboratory or  1 hr
  - PCB 3233 Immunology or  3 hrs
  - PCB 3703C Human Physiology or  4 hrs
  - PCB 4514 Genetics II or  3 hrs
Honors In Major

Rule, and nine hours of Summer credit.

CLEP, Credit by Exam, and Armed Forces credits permitted.

completed in residency at UCF.


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

Biomedical Sciences

Certificates

None

Related Minors

Biology

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.

Students are strongly encouraged to work with the Office of Pre-Health and Pre-Law Advising (Ferrell Commons 203; 407-823-3033).

An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:

- MCB 3020C: General Microbiology 5 hrs
- PCB 4524: Molecular Biology II 3 hrs

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 undergraduate program coordinator 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:

- BSC 2010C: May substitute the Honors version BSC X010C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
- BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
- CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is 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 Chemistry, take Chemistry Placement Test ~

Prior to enrolling in Math, take Math Placement Test ~

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
- ENC 1101: Composition I 3 hrs
- Math course, depending on placement score 4 hrs

Freshman Year - Spring 15 hrs

- BSC 2011C: Biology II 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- Math course 4 hrs
- ENC 1102: Composition II 3 hrs
### 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:** bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

### Admission Requirements

- **None**

- 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 departmental advisor.

### 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

- Part-Time Student: $24.85 per term

- Full-Time Student: $49.70 per term

### Biomedical Sciences (B.S.)

#### Sophomore Year - Fall

- **CHM 2210** Organic Chemistry I 3 hrs
- **PCB 3044** Principles of Ecology 3 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **STA 2023** Statistical Methods I 3 hrs
- **GEP** 3 hrs

#### Sophomore Year - Spring

- **CHM 2211** Organic Chemistry II 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **PCB 3063** Genetics 3 hrs
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **GEP** 3 hrs

#### Junior Year - Fall

- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PCB 3023** Molecular Cell Biology 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs

#### Junior Year - Spring

- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **PCB 4583** Evolutionary Biology 4 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs

#### Senior Year - Fall

- **Restricted Elective** 4 hrs
- **Restricted Elective** 4 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **Free Elective** 2 hrs

#### Senior Year - Spring

- **Restricted Elective** 4 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 4 hrs
- **Free Elective** 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

- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

#### 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:** bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim Director

Phone: 407-823-5932

### Admission Requirements

- None

- 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 departmental advisor.

### 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

- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

### Biomedical Sciences (B.S.)

#### Sophomore Year - Fall

- **CHM 2210** Organic Chemistry I 3 hrs
- **PCB 3044** Principles of Ecology 3 hrs
- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **STA 2023** Statistical Methods I 3 hrs
- **GEP** 3 hrs

#### Sophomore Year - Spring

- **CHM 2211** Organic Chemistry II 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **PCB 3063** Genetics 3 hrs
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **GEP** 3 hrs

#### Junior Year - Fall

- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PCB 3023** Molecular Cell Biology 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs

#### Junior Year - Spring

- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **PCB 4583** Evolutionary Biology 4 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs

#### Senior Year - Fall

- **Restricted Elective** 4 hrs
- **Restricted Elective** 4 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **Free Elective** 2 hrs

#### Senior Year - Spring

- **Restricted Elective** 4 hrs
- **Restricted Elective** 3 hrs
- **Free Elective** 4 hrs
- **Free Elective** 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

- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term
5A: Restricted Electives  23 hrs

- Select a minimum of seven (7) courses from the list below. At least two must have a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling.
- Only three hours of Honors thesis will count towards restrictive elective requirement.
- Students can only select two (2) of the following BCH 4054, BCH 4103L, PCB 3063, PCB 4514, ZOO 4603C.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4404</td>
<td>Bacterial Genetics and Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4114C</td>
<td>Determinative &amp; Systemic Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4207</td>
<td>Infectious Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4204</td>
<td>Cellular Microbiology: Host-Pathogen Interactions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4312</td>
<td>Molecular Biotechnology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4503C</td>
<td>Virology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5654</td>
<td>Applied Microbiology</td>
<td>3 hrs</td>
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<tr>
<td>MCB 5932</td>
<td>Current Topics in Molecular Biology</td>
<td>3 hrs</td>
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<tr>
<td>MLS 3220C</td>
<td>Techniques in Clinical Microscopy</td>
<td>3 hrs</td>
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<tr>
<td>1MLS 3305</td>
<td>Hematology</td>
<td>3 hrs</td>
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<tr>
<td>1MLS 4334</td>
<td>Hemostasis</td>
<td>3 hrs</td>
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<tr>
<td>1MLS 4430C</td>
<td>Clinical Parasitology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1MLS 4605C</td>
<td>Immunodiagnostics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1MLS 4625</td>
<td>Advanced Clinical Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1MLS 4630</td>
<td>Advanced Clinical Chemistry II</td>
<td>3 hrs</td>
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<tr>
<td>1PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1PCB 4028</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1PCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1PCB 4805</td>
<td>Endocrinology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1PCB 5238</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5236</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5275</td>
<td>Signal Transduction Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ZOO 3701C</td>
<td>Human Gross Anatomy &amp; Dissection Techniques</td>
<td>3 hrs</td>
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<tr>
<td>1ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
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<tr>
<td>1ZOO 4605</td>
<td>Human Clinical Embryology and Congenital Malformation</td>
<td>3 hrs</td>
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<tr>
<td>1ZOO 4743C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
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<tr>
<td>1ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
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<tr>
<td>ZOO 5745C</td>
<td>Essentials of Neuroanatomy</td>
<td>4 hrs</td>
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<tr>
<td>MCB 4970H</td>
<td>Honors Undergraduate Thesis II</td>
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<td>BOT 4434C</td>
<td>General Mycology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 3202</td>
<td>Principles of Infectious Disease</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5B: Restricted Electives  11 hrs

- Students must choose three (3) courses from the list below:
- At least two (2) must have a laboratory component

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4503C</td>
<td>Virology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3202</td>
<td>Principles of Infectious Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4026</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4207</td>
<td>Infectious Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>General Mycology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 5654</td>
<td>Applied Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5238</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

Track 3: Molecular and Cellular Biology  45 hrs

4C: Core Requirements: Advanced Level  35 hrs

<table>
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<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
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<td>MCB 3002C</td>
<td>General Microbiology</td>
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<td>BCH 4053</td>
<td>Biochemical Methods</td>
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<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
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<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
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<tr>
<td>PCB 4280</td>
<td>Molecular Immunology</td>
<td>3 hrs</td>
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<td>PCB 4524</td>
<td>Molecular Biology II</td>
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<td>MCB 4410</td>
<td>Cellular Metabolism</td>
<td>3 hrs</td>
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<td>1PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
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</tr>
<tr>
<td>PCB 4028</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4234</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 including lab

5C: Restricted Electives  10 hrs

- Students must choose three (3) electives from the list below:
- At least one (1) must have a laboratory component

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>PCB 4663</td>
<td>Human Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
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<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4264</td>
<td>Stem Cell Biology</td>
<td>3 hrs</td>
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<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
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<tr>
<td>BSC 4343</td>
<td>Biomedical Informatics: Sequence Analysis</td>
<td>3 hrs</td>
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<tr>
<td>PCB 5238</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5275</td>
<td>Signal Transduction Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4813</td>
<td>Molecular Aspects of Obesity, Diabetes &amp; Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

-两年或一年的外语水平在高中或大学的某一门外语水平考试（如英语水平考试）前的毕业。

Graduation

None

8. Electives

- 变量。学生应参加以深化研究或学位要求参加的本科研究项目。
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 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.
- A minimum of 20 hours must be taken at UCF in the department of the major.

Students will be required to pass 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 course 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

None

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
- GEP 3 hrs

**Senior Year - Fall**
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

1. or follow math sequence determined by Math Placement Exam

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- GEP 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

**Sophomore Year - Summer**
- Restricted Elective 3 hrs
- STA 2023 Statistical Methods I or 3 hrs
- CGS 1060C 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

**Junior Year - Fall**
- PCB 3522 Molecular Biology I 3 hrs
- GEP 3 hrs
-Restricted Elective 3 hrs

**Junior Year - Spring**
- PHY 2054C College Physics II or 4 hrs
- PCB 3233 or Restricted Elective 3 hrs

**Senior Year - Fall**
- PHY 2053C College Physics I or 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

**Junior Year - Spring**
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- 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**
- GEP 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- 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.oears.ucf.edu/aic/academic_learning_compacts.htm](http://www.oears.ucf.edu/aic/academic_learning_compacts.htm)

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

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: bcbsinfo@ucf.edu
Dr. Richard Peppler, Interim 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 Departmental advisor and the Pre-health Advisement Office in HPA I 124.

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.

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td></td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td></td>
</tr>
<tr>
<td>Prefect SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 1060C Introduction to Computers</td>
<td></td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td></td>
</tr>
</tbody>
</table>

C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1603C Introduction to Computers</td>
<td></td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 2045C Chemistry Fundamentals I</td>
<td></td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP) (16 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs

1 BSC 2011C Biology II 4 hrs

1 CHM 2045C Chemistry Fundamentals I 4 hrs

BSC 2011C Biology I 4 hrs

CHM 2046 Chemistry Fundamentals I 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

MAC 2311C Calculus with Analytic Geometry I 3 hrs

Select one of the following sequences of courses:

- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II and 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II and 4 hrs

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS 2311C Overview of Select Medical Careers</td>
<td></td>
</tr>
</tbody>
</table>

Math, Statistics, Computers

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I or GEP</td>
<td></td>
</tr>
</tbody>
</table>

Chemistry

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

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 4280 Molecular Immunology and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PCB 3233L Immunology Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 4414 Microbial Metabolism or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>PCB 4410 Cellular Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Chemistry

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C General Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 3522 Molecular Biology I</td>
<td></td>
</tr>
<tr>
<td>PCB 4524 Molecular Biology II</td>
<td></td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td></td>
</tr>
</tbody>
</table>

5. Restricted Electives

7 courses minimum

- Seven (7) courses from below, from which at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.
- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
- Students cannot choose more than two (2) of the following restricted electives: BSC 4054, BSC 4103L, PCB 3063, PCB 4514, ZOO 4603C.
- MCB 4064 Biochemistry II 3 hrs
- MCB 3203 Pathogenic Microbiology 3 hrs
- MCB 4404 Bacterial Genetics and Physiology 3 hrs
- MCB 4207 Infectious Processes 3 hrs
- MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4503C Virology 3 hrs
- MCB 5225 Molecular Biology of Disease 3 hrs
- MLS 3305 Hematology 3 hrs
- MLS 4334 Hemostasis 3 hrs
- MLS 4430C Clinical Parasitology 3 hrs
- MLS 4505C Immunodiagnostics 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3703C Human Physiology 4 hrs

UNIVERSITY OF CENTRAL FLORIDA 151 Undergraduate Catalog 2014-2015

UCF Degree Programs
UCF Degree Programs

PCB 4028  Molecular and Cellular Pharmacology  3 hrs
PCB 4514  Genetics II  3 hrs
PCB 4805  Endocrinology  3 hrs
PCB 5238  Immunobiology  3 hrs
ZOO 3701C  Human Gross Anatomy & Dissection 3 hrs

ZOO 3733C  Human Anatomy  4 hrs
ZOO 3744  Neurobiology  3 hrs
ZOO 4603C  Embryology/Development  5 hrs
ZOO 4805  Human Clinical Embryology and Congenital Malformation  3 hrs
ZOO 4743C  Clinical Neuroanatomy and Neuroscience  4 hrs
ZOO 4753C  Vertebrate Histology  4 hrs
MCB 4970H  Honors Undergraduate Thesis II  3 hrs
PCB 4234  Cancer Biology  3 hrs
ZOO 4747C  Clinical Neuroscience  4 hrs
MCB 3202  Principles of Infectious Disease  3 hrs

1 Students must also select MCB 3203L Pathogenic Microbiology Lab in order for this combination to count as 1 restricted elective.

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

10. Required Minors

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 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 pass 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

Honor 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

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  16 hrs
  ENC 1101  Composition I  3 hrs
  CHM 2045C  Chemistry Fundamentals I  4 hrs
  CHM 2046  Chemistry Fundamentals II  3 hrs
  SLS 2311C  Overview of Select Medical Careers  2 hrs
  GEP  3 hrs

 1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring  14 hrs
  ENC 1102  Composition II  3 hrs
  CHM 2046  Chemistry Fundamentals II  3 hrs
  CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  BSC 2010C  Biology I  4 hrs
  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:
  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:
  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:
  CHM 2211L  Organic Laboratory Techniques I or 2 hrs
  Elective  3 hrs

Junior Year - Fall  13 hrs
  PCB 3522  Molecular Biology I  3 hrs
  GEP  3 hrs
  Restricted Elective  3 hrs

Select 1:
  PHY 2053C  College Physics I or 4 hrs
  1 PHY 2048C  Physics for Engineers & Scientists I  4 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
</table>
| **Junior Year - Spring** | 13 hrs | PCB 4524 Molecular Biology II 3 hrs  
Restricted Elective 3 hrs  
Select 1: 4 hrs  
1 PHY 2049C Physics for Engineers and Scientists II or 4 hrs  
PHY 2054C College Physics II 4 hrs  
Select 1: 3 hrs  
PCB 3233L and PCB 4280 Molecular Immunology or 4 hrs  
PCB 3233 or Restricted Elective 3 hrs  |
| **Senior Year - Fall** | 12 hrs | GEP 3 hrs  
Restricted Elective 3 hrs  
Select 1: 3 hrs  
MCB 4414 Microbial Metabolism or 3 hrs  
BOC 4053 Biochemistry I 3 hrs  |
| **Senior Year - Spring** | 16 hrs | GEP 3 hrs  
Restricted Elective 3 hrs  
Restrictive Elective 3 hrs  
Select 1: 3 hrs  
MCB 4414 Microbial Metabolism or 3 hrs  
BOC 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/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/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](http://www.biomed.ucf.edu)

**Email:** bcbsinfo@ucf.edu

Dr. Richard Peppler, Interim 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 Departmental advisor
- 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-"(1.75) in life science courses will not be accepted

**UCF General Education Program (GEP)**

| A: Communication Foundations |
|-------------------------------|-----------------|
| Required ENC 1101 Composition I 3 hrs  
Required ENC 1102 Composition II 3 hrs  
Prefer SPC 1603C Fundamentals of Technical Presentation 3 hrs  |

| B: Cultural & Historical Foundations |
|-------------------------------------|--------|
| 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 4 hrs  
Required MAC 2253 Applied Calculus 4 hrs  |

| D: Social Foundations |
|----------------------|--------|
| Required CHM 2045C Chemistry Fundamentals I 4 hrs  
Required BSC 2010C Biology I or 4 hrs  |

| E: Science Foundations |
|------------------------|--------|
| Required CHM 2045C Chemistry Fundamentals I 4 hrs  
Required PHY 2053C College Physics I 4 hrs  
Required PHY 2054C College Physics II 4 hrs  |

| 2. Common Program Prerequisites (CPP) |
|--------------------------------------|--------|
| Required BSC 2011C Biology II 4 hrs  
1 BSC 2011C Biology II 4 hrs  
2 CHM 2045C Chemistry Fundamentals I 4 hrs  
2 CHM 2046 Chemistry Fundamentals I 3 hrs  
CHM 2210 Organic Chemistry I 3 hrs  
CHM 2211 Organic Chemistry II 3 hrs  
STA 2023 Statistical Methods I 3 hrs  
MAC 2311C Calculus with Analytic Geometry I 4 hrs  
MAC 2053C College Physics I 4 hrs  
MAC 2054C College Physics II 4 hrs  |

| 3. Core Requirements: Basic Level |
|-----------------------------------|--------|
| None |

| 4. Core Requirements: Advanced Level |
|-------------------------------------|--------|
| Required CHM 2045C Chemistry Fundamentals I 4 hrs  
Required BSC 2010C Biology I or 4 hrs  |

| Life Sciences |
|---------------|--------|
| 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  
MCB 4721C Methods in Biotechnology 4 hrs  
MCB 4720 Industrial Perspectives Seminar 3 hrs  
MCB 4312 Molecular Biotechnology 3 hrs  
PCB 4529C Experimental Molecular Cell Biology 4 hrs  
PCB 4174 Foundation of Bio-Imaging Science 3 hrs  |

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
</tr>
</thead>
</table>
| PCB 4280 Molecular Immunology and 3 hrs  
PCB 3233L Immunology Laboratory 1 hr  |
| or |
| PCB 3233 Immunology and 3 hrs  
PCB 3233L Immunology Laboratory 1 hr  |

<table>
<thead>
<tr>
<th>Select 1:</th>
</tr>
</thead>
</table>
| MCB 4414 Microbial Metabolism or 3 hrs  
MCB 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 |
|---------|--------|
| Select one of the following sequences of courses: |
| PHV 2053C College Physics I and 4 hrs  
PHV 2054C College Physics II 4 hrs  |
| or |
| PHV 2048C Physics for Engineers & Scientists I and 4 hrs  
PHV 2049C Physics for Engineers and Scientists II 4 hrs  |

| Math |
|------|--------|
| Select 1: |
| MAC 2311C Calculus with Analytic Geometry I or 3 hrs  
MAC 2253 Applied Calculus 3 hrs  |

UNIVERSITY OF CENTRAL FLORIDA 153 Undergraduate Catalog 2014-2015
UCF Degree Programs

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4970H</td>
<td>Honors Undergraduate Thesis II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. 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 pass 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
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

1. or follow math sequence determined by Math Placement Exam

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Select 1:
- STA 2023 Statistical Methods I or
- CGS 1060C 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:  
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  

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2211L Organic Laboratory Techniques I or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall  
13 hrs  
PCB 3522 Molecular Biology I 3 hrs  
MCB 4720 Industrial Perspectives Seminar 3 hrs  
GEP 3 hrs  

### Select 1:  
PHYS 2053C College Physics I or 4 hrs  
1 PHY 2048C Physics for Engineers & Scientists 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:  
PHYS 2054C College Physics II or 4 hrs  
1 PHY 2049C Physics for Engineers and Scientists 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  
12 hrs  
MCB 4721C Methods in Biotechnology 4 hrs  
MCB 4312 Molecular Biotechnology 3 hrs  
Restricted Elective or Elective 3 hrs  

### Select 1:  
BCH 4053 Biochemistry I or 3 hrs  
MCB 4414 Microbial Metabolism 3 hrs  

### Senior Year - Spring  
13 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  
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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees  
- Part-Time Student: $39 per term  
- Full-Time Student: $78 per term  

### Business Administration (B.A.B.A.)  

#### College of Business Administration  

#### Department of Management,  

#### Business Administration II, Room: 101  

Only offered at Regional Campuses.  

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

**Email:** cba@bus.ucf.edu  

Angela Jones (Cocoa Advising), 321-433-7889  

Christine Davis (Daytona Advising), 386-506-4021  

Andrea Valez-Vasquez (Sanford-Lake Mary Advising), 407-708-2827  

Lisa Cruz (Valencia West Advising), 407-582-5500  

Phone: 407-823-2184  

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

#### Admission Requirements  
- 2.0 GPA and completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

#### Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

1. **UCF General Education Program (GEP)**  

A: Communication Foundations  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

155  

**Undergraduate Catalog 2014-2015**
### B: Cultural & Historical Foundations
- (9 hrs)

### C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs
- Required MAC 1105C College Algebra 3 hrs

### D: Social Foundations
- (6 hrs)
- **Select 1:**
  - 3 hrs
  - Required ECO 2013 Principles of Macroeconomics or
  - Required ECO 2023 Principles of Microeconomics 3 hrs
- **Select 1:**
  - 3 hrs
  - Suggested ANT 2000 General Anthropology or
  - Suggested PSY 2012 General Psychology or
  - 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.
- 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>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select one of the following sequences of courses:
- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3401 Quantitative Business Tools I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (25 hrs)
- First of the subsequent semester in the College of Business Administration:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3203 Supply Chain and Operations Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required in the 1st or 2nd semester
2. Must be taken with GEB 3031

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements (4 hrs)
- This course is taken in the graduating term and requires the following prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3403C Business Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 GEB 3031 Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### 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.

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**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.

**8. Electives**
- None

**9. Additional Requirements**
- Students in the Bachelor of Arts Business Administration (BABA) major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher, Business courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Business courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Business courses in a subsequent term, that student will be dropped as a BABA major. A student who is dropped may seek readmission as a BABA major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Business GPA of 2.0 or higher. Readmission is not automatic.

**10. Required Minors**
- Existing non-business minor offered at Regional Campuses

**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**
- None

**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.

Florida College System institution 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.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

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.

**Acceptable Substitutes for Transfer Courses**

- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

**Plan of Study**

**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
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs

**Sophomore Year - Fall**
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Historical Foundation I 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- MIN 3023 Marketing 3 hrs
- FIN 3403C Business Finance 3 hrs
- Minor 3 hrs

**Junior Year - Spring**
- ECO 3411 Quantitative Business Tools II 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- Foreign Language 4 hrs
- Minor 3 hrs
- Minor 3 hrs

**Senior Year - Fall**
- MAN 3025 Management of Organizations 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- Foreign Language 4 hrs
- Minor 3 hrs
- Minor 3 hrs

**Senior Year - Spring**
- MAN 4720 Strategic Management 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- Minor 3 hrs
- Minor or Elective 3 hrs
- Minor or Elective 3 hrs

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The University of Central Florida (UCF) General Education Program (GEP) is designed to provide a broad and balanced educational experience that prepares students for lifelong learning and professional success. The GEP includes requirements in a variety of subject areas, such as Communication, Mathematics, Historical Knowledge, Cultural Knowledge, Mathematics, Science, and Humanities. Students must choose courses from these categories to fulfill the GEP requirements, which are outlined in the UCF Undergraduate Catalog.

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oas.ucf.edu/al/academic_learning_compacts.htm](http://www.oas.ucf.edu/al/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Chemistry (B.S.)**

**Department of Chemistry**

**College of Sciences**

**Department of Chemistry**

**Physical Sciences, Room: 255**

[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)

**Email:** pedro.patino@ucf.edu

Dr. Pedro Patino

Phone: 407-823-2246

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**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.

- 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
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

**1. UCF General Education Program (GEP)**

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

**A: Communication Foundations**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Communication 3 hrs

**B: Cultural & Historical Foundations**

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

**C: Mathematical Foundations**

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Preferred PHY 2048X Physics for Engineers & Scientists I 4 hrs
- Preferred PHY 2049X Physics for Engineers and Scientists II 4 hrs

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### Notes:
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Communication 3 hrs
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Preferred STA 2023 Statistical Methods I 3 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Preferred PHY 2048X Physics for Engineers & Scientists I 4 hrs
- Preferred PHY 2049X Physics for Engineers and Scientists II 4 hrs
2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Service for more information.
   - Prior to enrolling in Chemistry, you must take the Chemistry Placement Test at http://knightsource.sdes.ucf.edu/placement

Select either:

- or
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB and 3 hrs

- and complete all the following
  - CHM 2046 Chemistry Fundamentals II and 3 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
  - MAC 2311L Calculus with Analytic Geometry I and 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II and 4 hrs
  - PHY 2048C Physics for Engineers & Scientists I and 3 hrs
  - PHY 2049C Physics for Engineers and Scientists II and 3 hrs

3. Core Requirements: Basic Level (4 hrs)
   - All courses specifically identified in the preceding 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:

- or
  - CHM 2040 Chemistry Fundamentals IA and CPP
  - CHM 2041 Chemistry Fundamentals IB and CPP

- and
  - CHM 2046 Chemistry Fundamentals II and CPP
  - CHM 2210 Organic Chemistry I and CPP
  - CHM 2211 Organic Chemistry II and CPP
  - CHM 2211L Organic Laboratory Techniques I and CPP
  - MAC 2311L Calculus with Analytic Geometry I and CPP
  - MAC 2312 Calculus with Analytic Geometry II and CPP
  - PHY 2048C Physics for Engineers & Scientists I and CPP
  - PHY 2049C Physics for Engineers and Scientists II and CPP

Core: Additional requirements

- BSC 2010C Biology I and 4 hrs
- MAC 2313 Calculus with Analytic Geometry III and 4 hrs

- and either:
  - STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - STA 2023 Statistical Methods I and 3 hrs

4. Core Requirements: Advanced Level (34 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 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>
<tr>
<td>CHM 3215L</td>
<td>Organic Laboratory Techniques II</td>
<td>2 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 3411L</td>
<td>Physical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Chemistry Laboratory</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 4130L</td>
<td>Advanced Analytical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Chemistry Seminar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4931</td>
<td>Chemistry Seminar II</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

5. Restricted Electives (6 hrs)

Select from the following courses: 6 hrs

- BCH 4054 Biochemistry II and 3 hrs
- CHM 4220 Organic Chemistry III and 3 hrs
- CHM 5225 Advanced Organic Chemistry and 3 hrs
- CHM 5235 Applied Molecular Spectroscopy and 3 hrs
- CHM 5450 Polymer Chemistry and 3 hrs
- CHM 5451C Techniques in Polymer Science and 3 hrs
- CHM 5580 Advanced Physical Chemistry and 3 hrs
- CHS 4615 Environmental Chemistry and 3 hrs

Directed Electives 3 hrs

Course will be selected with the aid of a departmental advisor and approved in advance by the department chair. Course will be selected from the physical, biological, mathematical sciences and/or related disciplines and normally will be at the 3000/4000 level. Co-op courses cannot be used in the major.

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 department advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research and 4 hrs
  - CHM 4930 Chemistry Seminar I and 1 hr
  - CHM 4931 Chemistry Seminar II and 1 hr

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 established for the report.
- 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

- 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
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: 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:
  - Before registering for Math, you must take Math Placement Test:
  - Before registering for Chemistry, you must take the Chemistry Placement Test:

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
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

Junior Year - Fall
- 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
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- 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 2 hrs

Senior Year - Spring
- CHM 4912 Directed Independent Research 2 hrs
- CHM 4931 Chemistry Seminar II 1 hr
- GEP 3 hrs
- 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/al/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Chemistry - Biochemistry Track (B.S.)

Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry

Email: pedro.patino@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.

Graduation Requirements
- None
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 PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
   - Select either:
     CHM 2045C Chemistry Fundamentals I 4 hrs
     - or
     CHM 2040 Chemistry Fundamentals IIA and 3 hrs
     CHM 2041 Chemistry Fundamentals IIB 3 hrs
     - and complete all the following 24 hrs
     CHM 2046 Chemistry Fundamentals II and 3 hrs
     CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
     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
     MAC 2311C Calculus with Analytic Geometry I and 4 hrs
     MAC 2312 Calculus with Analytic Geometry II and 4 hrs
     PHY 2048C Physics for Engineers & Scientists I and 4 hrs
     PHY 2049C Physics for Engineers and Scientists II 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
     - or
     CHM 2040 Chemistry Fundamentals IIA and CPP
     CHM 2041 Chemistry Fundamentals IIB CPP
     - and
     CHM 2046 Chemistry Fundamentals II and CPP
     CHM 2046L Chemistry Fundamentals Laboratory and CPP
     CHM 2210 Organic Chemistry I and CPP
     CHM 2211 Organic Chemistry II and CPP
     CHM 2211L Organic Laboratory Techniques I and CPP
     MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
     MAC 2312 Calculus with Analytic Geometry II and GEP/CPP
     PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
     PHY 2049C Physics for Engineers and Scientists II CPP

   Basic Core: Additional Requirements 10 hrs
   - BSC 2010C Biology I and GEP
   - CHM 3120 Analytical Chemistry and 3 hrs
   - CHM 3120L Analytical Chemistry Laboratory and 1 hr
   - CHM 3215L Organic Laboratory Techniques II and 2 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - and either
     STA 2023 Statistical Methods I or GEP
     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
   - CHM 4912 Directed Independent Research 4 hrs
   - CHM 4930 Chemistry Seminar I 1 hr
   - CHM 4931 Chemistry Seminar II 1 hr
   - MCB 3200C General Microbiology 5 hrs
   - PCB 3023 Molecular Cell Biology 3 hrs
   - PCB 3063 Genetics 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 3 hrs
   - Additional upper level courses as approved by a departmental advisor

   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
   - 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.
   - Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
   - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
   - Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
     - CHM 4912 Directed Independent Research 4 hrs
     - CHM 4930 Chemistry Seminar I 1 hr
     - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors
    - None

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.

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.
Sophomore Year - Fall 16 hrs

CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques 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 Physics for Engineers and Scientists II 4 hrs
PCB 3063 Genetics 3 hrs

Junior Year - Fall 14 hrs

BCCH 4053 Biochemistry I 3 hrs
CHM 3215L Organic Laboratory Techniques 2 hrs
PCB 3023 Molecular Cell Biology 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Spring 13 hrs

BCCH 4054 Biochemistry II 3 hrs
BCCH 4103L Biochemical Methods 2 hrs
MCB 3020C General Microbiology 5 hrs
GEP 3 hrs

Senior Year - Fall 16 hrs

CHM 3410 Physical Chemistry I 4 hrs
CHM 4912 Directed Independent Research 1 hr
Restricted Elective 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs

Senior Year - Spring 15 hrs

CHM 4931 Chemistry Seminar II 1 hr
CHM 3411I Physical Chemistry II 3 hrs
CHM 3411L 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.oees.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. F. Necati Catbas, necati.catbas@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 after the withdrawal deadline 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 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
UCF Degree Programs

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 Systems 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 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 Foundation Group 1 3 hrs
   - Select one course from Social Foundation Group 2 3 hrs

   E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - Prefer GEO 1200 Physical Geography 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.
   - 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 Physics for Engineers & Scientists I GEP
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs

   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:
     - 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 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1090C Engineering Concepts and Methods 1 hr

   4. Core Requirements: Advanced Level (63 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3331 Mechanics of Materials 3 hrs
   - EGN 3343 Thermodynamics 3 hrs
   - EGN 3613 Engineering Economic Analysis 2 hrs
   - EGN 3613 Introduction to Environmental Engineering 3 hrs
   - CCE 4003 Introduction to the Construction Industry 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP
   - CGN 3700C Civil Engineering Measurements 4 hrs
   - CGN 3501C Civil Engineering Materials 3 hrs
   - CEG 4011C Geotechnical Engineering I 4 hrs
   - CEG 4010C Structural Analysis I and Lab 4 hrs
   - CWR 3201 Engineering Fluid Mechanics 3 hrs
   - CWR 4632C Water Resources Engineering I 4 hrs
   - TTE 3810 Highway Engineering 3 hrs
   - ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
   - CES 4605 Steel Structures 3 hrs
   - CES 4702 Reinforced Concrete Structures 3 hrs

   Select 3:
   - Take 3 from the following:
     - CEG 4012 Geotechnical Engineering II or 3 hrs
     - CWR 4633C Water Resources Engineering II or 3 hrs
     - ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
     - TTE 4274 Transportation Engineering Systems 3 hrs

   1 A “C” (2.0) or better is required in this course.

5. Restricted Electives
   - Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE 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)
   - Senior Design Courses
     - CGN 4808C CECE Capstone Design 3 hrs

   Design Specialization 3 hrs
   - CEG Geotechnical Engineering Design or 4801C
   - CES 4743C Structural Design or 3 hrs
   - CWR Water Resources Design or 4812C
   - ENV 4562C Environmental Engineering Water Treatment Design or 3 hrs
   - TTE 4601C Urban Systems Design or 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
### UCF Degree Programs

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP 3001C</td>
<td>Engineering Fluid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>CCE 4003</td>
<td>Introduction to the Construction Industry</td>
<td>3</td>
</tr>
<tr>
<td>CGN 3901C</td>
<td>Civil Engineering Materials</td>
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<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab</td>
<td>4</td>
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<tr>
<td>CGN 3700C</td>
<td>Civil Engineering Measurements</td>
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**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GES 3001C</td>
<td>Introduction to Geology</td>
<td>3</td>
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<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
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<tr>
<td>GEP</td>
<td></td>
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**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CES 4702</td>
<td>Reinforcement Concrete Structures</td>
<td>3</td>
</tr>
<tr>
<td>CEG 4011C</td>
<td>Geotechnical Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>CWR 4632C</td>
<td>Water Resources Engineering I</td>
<td>3</td>
</tr>
<tr>
<td>TTE 3810</td>
<td>Highway Engineering</td>
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**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>GES 3001C</td>
<td>Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**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 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 (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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
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<tr>
<td>EGS 1006C</td>
<td>Introduction to the Civil Engineering Profession</td>
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**Freshman Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2</td>
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**Sophomore Year - Fall**

<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>4</td>
</tr>
<tr>
<td>CHS 1440</td>
<td>Principles of Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
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**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>4</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
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</tbody>
</table>

**Sophomore Year - Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
UCF Degree Programs

- 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)
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Suggested STA 2014C Principles of Statistics or
  - Suggested STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
- Suggested PSY 2012 General Psychology

Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics

2. Common Program Prerequisites (CPP)
- STA 2014C Principles of Statistics
- BSC 1005 Biological Principles
- PSY 2012 General Psychology
- PHY, PSC or CHM (GEP)

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (56 hrs)

Core Requirements 53 hrs
- DEP 2004C Developmental Psychology
- SPA 3471 Communication Disorders in Literature and Media
- SPA 3101 Physiological Bases of Speech and Hearing
- SPA 3112 Basic Phonetics
- SPA 3112L Basic Phonetics Lab
- LIN 3716 Language Development
- LIN 3716L Language Development Lab
- SPA 3011 Speech Science I: Production
- SPA 3011L Speech Production Lab
- SPA 3104 Neural Bases of Communication
- SPA 3123 Speech Science II: Perception
- SPA 3123L Speech Perception Lab
- SPA 4476 Speech Disorders Across the Lifespan
- SPA 4032 Audiology
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences
- SPA 4400 Language Disorders Across the Life Span
- LIN 3713 Language Science
- SPA 4870C 3 hrs
- SPA 4326 Hearing Disorders Across the Lifespan

Select 1: 3 hrs
- EAB 3703C Principles of Behavior Modification or
- EEX 4601 Introduction to Behavior Management or
- EEC 4804 Classroom Management and Guidance of Young Children or

EDF 3303 Learning Environments and Guidance for Young Children or
SPA 3472 Guidance of Young Children with Communication Disorders or
EEX 3450

Statistics Requirement 3 hrs
- STA 2023 Statistical Methods I and
- STA 4163 Statistical Methods II

Option 1:
- STA 2014C Principles of Statistics
- SPA 4803 Research Methods in Communication Sciences and Disorders

or
- STA 2023 Statistical Methods I and
- SPA 4803 Research Methods in Communication Sciences and Disorders

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

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 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
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates
- None

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- 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
- Any BSC course or ANT X511 3 hrs
- Free Electives 6 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
- PHY, PSC, or CHM Course 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- Free Elective 3 hrs

Select 1: 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Spring
- STA 2014C or STA 2023 Statistics or 3 hrs

Select 1: 3 hrs
- EAB 3703C 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 4601 Introduction to Behavior Management or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders 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
- SPA 3101 Speech Science I: Production 3 hrs
- SPA 3101L 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 - Fall
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 3104 Neural Bases of Communication 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs

Junior Year - Spring
- 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

Select 1: 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

Senior Year - Fall
- SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
- SPA 4870C Capstone Course 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- SPA 4803 Research Methods in Communication Sciences and Disorders 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: $17.50 per term
- Full-Time Student: $35 per term

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

  None.

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 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
   Prefer ECO 2023 Principles of Microeconomics 3 hrs
   Select one class from Social Foundations 3 hrs

   E: Science Foundations (7 hrs)
   Required PHY 2048C Physics for Engineers & Scientists 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 for those course indicated.

   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

Select 1:

1. Courses Required for the Major 48 hrs

   Engineering Core 6 hrs
   EGN 3310L Engineering Analysis-Statics 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP

   Select 1:
   3 hrs
   EGN 3321 Engineering Analysis-Dynamics or
   EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

   Courses Required for the Major 48 hrs

   COT 3100C Introduction to Discrete Structures 3 hrs
   COP 3502C Computer Science I 3 hrs
   COP 3503C Computer Science II 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   COP 4331C Processes for Object-Oriented Software Development 3 hrs
   EEL 3004C Electrical Networks 3 hrs
   EEL 3123C Networks and Systems 4 hrs
   EEE 3307C Electronics I 4 hrs
   EEE 3342C Digital Systems 3 hrs
   EEL 3801C Computer Organization 3 hrs
   EEL 4742C Embedded Systems 4 hrs
   EEL 4768 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

5. Restricted Electives (9 hrs)
   Technical electives are available in the BScPCE program to address specific student interests in a variety of technical areas such as Software Engineering. 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 4915 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

8. Electives

None

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
### UCF Degree Programs

#### 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

#### Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

#### Certificates
- None

#### Related Minors
- Information Technology
- Computer Science
- 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.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- 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 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.

#### 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 faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall
**Select 1:**
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

1. Preferred

**Freshman Year - Spring**
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2049C Physics for Engineers & Scientists I 4 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

#### Sophomore Year - Fall
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP - Historical Foundation 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 I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 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

#### 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.oeras.ucf.edu/alcacademic_learning_compacts.htm](http://www.oeras.ucf.edu/alcacademic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term
UCF Degree Programs

Computer Science (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Julie Faris
Phone: 407-823-3327

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.

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)
   Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   Required STA 2023 Statistical Methods I 3 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 Physics for Engineers & Scientists 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 3223 Introduction to Programming with C 3 hrs
   MAC 2311C Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists III 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.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   BSC 2010C Biology I or GEP
   BSC 2011C Biology II or GEP
   CHM 2045C Chemistry Fundamentals I or GEP
   CHM 2046 Chemistry Fundamentals II or GEP
   PHY 3101 Physics for Engineers and Scientists III 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
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - CDA 3103 Computer Logic and Organization 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COT 3960 CS Foundation Exam 0 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. Only the highest grade is used in the calculation.

   COP 4331C Processes for Object-Oriented Software Development 3 hrs
   EEL 4768 Computer Architecture 3 hrs
   COT 4210 Discrete Structures II 3 hrs
   COP 4270 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
   - Must be offered by Computer Science at UCF. 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 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.

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
   - Complete an exit survey

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

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
- 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
- ENC 1101 Composition 3 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 2103 Computer Logic and Organization 3 hrs
- COT 3960 CS Foundation Exam 0 hrs
- Freshman Year - Summer
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- COP 4331C Processes for Object-Oriented Software Development 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CIS 3360 Security in Computing 3 hrs

Sophomore Year - Summer
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall
- EEL 4768 Computer Architecture 3 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2101C Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring
- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Senior Year - Fall
- 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
- 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.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $9 per term
- Full-Time Student: $18 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. Oluofa, amr.oloufa@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 after the withdrawal deadline 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 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

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 Cultural Foundations 3 hrs
UCF Degree Programs

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 Foundation Group 1 3 hrs
- Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 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. 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:
  - 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 Physics for Engineers & Scientists I GEP
  - PHY 2048C Physics for Engineers and Scientists II 4 hrs

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 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EGN 3613 Engineering Economic Analysis 2 hrs
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CCE 4034 Construction Estimating and Scheduling 3 hrs
- CCE 4802 Construction Equipment and Productivity 3 hrs
- CCE 4804 Construction Methods 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- ACS 2071 Principles of Managerial Accounting 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs

Structural Depth 3 hrs
- CES 4605 Steel Structures or 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs

Additional Area Depth Sequence
- Geotechnical Engineering
  - CEG 4011C Geotechnical Engineering I and 4 hrs
  - CEG 4012 Geotechnical Engineering II 3 hrs
- or - Transportation Engineering
  - TTE 3810 Highway Engineering and 3 hrs
  - TTE 4274 Transportation Engineering Systems 3 hrs

5. Restricted Electives (3 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
  - CCE 4810C Construction Design Project 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 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
- 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 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. 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 14 hrs
ENC 1101 Composition I 3 hrs
GEP 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EGS 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
EGN 1007C Engineering Concepts and Methods 1 hr

Sophomore Year - Fall 16 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHS 1440 Principles of Chemistry 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs

Sophomore Year - Spring 16 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
PHY 2049C Physics for Engineers & Scientists II 4 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GEP 3 hrs

Sophomore Year - Summer 9 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 17 hrs
CES 4100C Structural Analysis I and Lab 4 hrs
GEP 3 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Junior Year - Spring 16 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4402 Construction Equipment and Productivity 3 hrs
CGN 3501C Civil Engineering Materials 3 hrs
CGN 3700C Civil Engineering Measurements 4 hrs

Concrete or Steel 3 hrs
CCE 4805 Steel Structures or 3 hrs
CCE 4702 Reinforced Concrete Structures 3 hrs

Senior Year - Fall 13 hrs
CCE 4810C Construction Design Project 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs
Approved Technical Elective 3 hrs

Select 1: 3 hrs
EGN 4011C Geotechnical Engineering I or 4 hrs
TTE 4010 Highway Engineering 3 hrs

Senior Year - Spring 12 hrs
CGN 4808C CECE Capstone Design 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
GEP 3 hrs

Select 1: 3 hrs
Take subsequent course to one selected in Fourth Year
Fall.

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: $33 per term
- Full-Time Student: $66 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)

Select 1: 3 hrs
Suggested: CSM 1060C Introduction to Computers 3 hrs
Suggested: 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)
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.

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2014-2015

171
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.

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
- Criminal Profiling
- Security Management
- Crime Scene Investigation
- Victim Advocacy

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
- ENC 1101 Composition I 3 hrs
- 1 PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra or 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
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Second Year - Fall
- CJC 3010 Corrections and Penology 3 hrs
- CJL 3510 Prosecution and Adjudication 3 hrs
- Select 1: 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1101 Composition II 3 hrs
- Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra or 3 hrs
- Select 1: 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- CCJ 3014 Crime in America 3 hrs
- Select 1: 3 hrs
- EUH 2001 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- Select 1: 3 hrs
- BSC 1005C Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- ANT 2511 The Human Species 3 hrs
- Select 1: 3 hrs
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Junior Year - Fall
- CCJ 3010 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Senior Year - Fall
- CJ Elective 3 hrs
- Select 1: 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

1 CJE 3001 Optional Replacement for PAF 2102
### 1. UCF General Education Program (GEP) (36 hrs)

- Each core course.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Capitalization of Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### 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 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) |

#### Select 1

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<tr>
<td>CGS 1060C Introduction to Computers or STA 1063C Basic Statistics Using</td>
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<tr>
<td>CGS 1060C Introduction to Computers or STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics</td>
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#### Select 1

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<th>Suggested Courses</th>
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<tr>
<td>MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics</td>
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</table>

### 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
- CJL 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.

### 8. Electives

- None

### 9. Additional Requirements

- Students whose 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

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### Honors In Major

- Interested students should consult with a faculty advisor.
### UCF Degree Programs

**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**
- 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**

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<th>Year</th>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
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<td>ENC 1101</td>
<td>Composition I</td>
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<td>PAF 2102</td>
<td>Public Affairs Careers</td>
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<td>Finite Mathematics or</td>
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<td>MAC 1105C</td>
<td>College Algebra</td>
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<td>PSY 2012</td>
<td>General Psychology or</td>
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<td>SYG 2000</td>
<td>Introduction to Sociology or</td>
<td>3 hrs</td>
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<td>ANT 2000</td>
<td>General Anthropology</td>
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<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
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<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
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<td>HUM 2210</td>
<td>Humanistic Tradition I or</td>
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<td>AMH 2010</td>
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</tbody>
</table>

1. CJE 3001 Optional Replacement Course for PAF 2102

| **Sophomore Year** | **Fall** | 15 hrs |
| SPC 1608 | Fundamentals of Oral Communication | 3 hrs |
| Free Elective/CCJ 3014 | 3 hrs |
| Select 1: | 3 hrs |
| EUH 2001 | Western Civilization II or | 3 hrs |
| HUM 2230 | Humanistic Tradition II or | 3 hrs |
| AMH 2020 | U.S. History: 1877-Present | 3 hrs |
| Select 1: | 3 hrs |
| BSC 1005 | Biological Principles or | 3 hrs |
| MCB 1310 | Introduction to Biotechnology and Genetic | 3 hrs |
| Engineering or | | |
| GLY 1030 | Geology and its Applications or | 3 hrs |
| PSC 1121 | Physical Science or | 3 hrs |
| ANT 2511 | The Human Species | 3 hrs |
| Select 1: | 3 hrs |
| POS 2041 | American National Government or | 3 hrs |
| ECO 2013 | Principles of Macroeconomics | 3 hrs |

**Junior Year - Fall** | 15 hrs |
| CCJ 3024 | Criminal Justice System | 3 hrs |
| CJL 3510 | Prosecution and Adjudication | 3 hrs |
| Restricted Elective | 3 hrs |
| Restricted Elective | 3 hrs |
| Support Elective | 3 hrs |

**Sophomore Year - Spring** | 15 hrs |
| CCJ 4701 | Research Methods in Criminal Justice | 3 hrs |
| CCJ 3010 | Corrections and Penology | 3 hrs |
| CCJ 4934 | Emergent Criminal Justice Issues | 3 hrs |
| Support Elective | 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 |
| CCJ 4934 | Emergent Criminal Justice Issues | 3 hrs |
| CJ Elective | 3 hrs |

**Senior Year - Fall** | 15 hrs |
| CCJ 4934 | Emergent Criminal Justice Issues | 3 hrs |
| Support Elective | 3 hrs |
| CJ Elective | 3 hrs |
| Free Elective | 3 hrs |

**Senior Year - Spring** | 12 hrs |
| Free Elective | 3 hrs |
| Free Elective | 3 hrs |
| CCJ 4934 | Emergent Criminal Justice Issues | 3 hrs |
| CJ Elective or CCJ 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)

**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](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)

Take all of the following:  9 hrs
   Required  ARH 2050  History of Western Art I and 3 hrs
   Required  ARH 2051  History of Western Art II and 3 hrs
   Select one additional course from approved list  3 hrs

C: Mathematical Foundations  (7 hrs)
   Required  COP 2500C  Concepts in Computer Science  4 hrs
   1 Required  MAC 1105C  College Algebra  3 hrs

1  (May substitute more advanced version)

D: Social Foundations  (6 hrs)

E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (6 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 2300C  Drawing Fundamentals I  3 hrs
   COP 2500C  Concepts in Computer Science  GEP
   MAC 1105C  College Algebra  GEP

3. 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 2030C  Digital Video Fundamentals  3 hrs
   DIG 2109C  Digital Imaging Fundamentals I  3 hrs
   DIG 2500C  Fundamentals of Interactive Design  3 hrs

4. Core Requirements: Advanced Level  (12 hrs)
   DIG 3024  Digital Culture & Narrative  3 hrs
   DIG 3480C  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 3223  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
   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

UCF Degree Programs

Web 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
   None
   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.
### UCF Degree Programs

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- None

#### Game Design

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<td>ENC 1101</td>
<td>Composition I</td>
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<td>MAC 1105C</td>
<td>College Algebra</td>
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<tr>
<td>GEP Cultural &amp; Historical Foundation</td>
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<td>GEP Social Foundation</td>
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<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
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<td>DIG 2000</td>
<td>Introduction to Digital Media</td>
<td>3 hrs</td>
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<td>ENC 1102</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Web Design

#### Freshman Year - Fall
- 15 hrs
  - ARH 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
  - ARH 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
  - GEP Science Foundation 3 hrs
  - GEP Science Foundation 3 hrs

**Sophomore Year - Fall**
- 15 hrs
  - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
  - DIG 2030C Digital Video Fundamentals 3 hrs
  - DIG 2109C Digital Imaging Fundamentals 3 hrs
  - DIG 2500C Fundamentals of Interactive Design 3 hrs
  - GEP Communication Foundation 3 hrs

**Sophomore Year - Spring**
- 15 hrs
  - ART 2300C Drawing Fundamentals 3 hrs
  - DIG 3024 Digital Cultures & Narrative 3 hrs
  - DIG 3480C 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 4530C Media for e-Commerce 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.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

Early Childhood Development and Education

**Track 1: Education: Pre-Kindergarten - Primary (PK-3) (B.S.)**

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

[http://education.ucf.edu/ece/](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).
- 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 Student Organization (ECDSO) or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education 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 score 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) - passing scores strongly recommended prior to application for 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-3).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- 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: 3 hrs
     - Prefer REL 2300 World Religions or 3 hrs
     - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
     - Prefer LIT 2110 World Literature I or 3 hrs
     - Prefer LIT 2120 World Literature II 3 hrs
     - General Education Program elective from section B1 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 2044C 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)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

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) (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 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)

Other Program Prerequisites
   - EEC 2005 Child and Adolescent Development for Educators 3 hrs
   - EEC 2273 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
   - MAC 1105C College Algebra or 3 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs

Select 1: 3 hrs
   - ARE 2000 Early Childhood Art and Creativity or 3 hrs
   - MUE 2211 Early Childhood Music and Movement 3 hrs
   - Elective 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.

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
   - RED 3310 Early Reading, Writing and Language Arts 3 hrs
   - EEX 4751 Parent Involvement in Education 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 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 4607 Assessment and Evaluation of Young Children 3 hrs
   - TSL 2420 Issues in Second Language Acquisition 3 hrs
   - EEC 4698 Curriculum Activities in Early Childhood 3 hrs
   - EEX 3450 Young Children With Special Needs 3 hrs

Summer 6 hrs
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Pre-kindergarten/Primary PK-3)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
   - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs
# UCF Degree Programs

## Semester III

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Teaching Science and Technology to Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4311</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>

- 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

## Semester IV

12 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 Student Teaching (EEC 4943 Internship).
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).
- Students in Schools

## Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<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>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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## Freshman Year - Spring

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<tr>
<td>EDF 2085</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>
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<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
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## Freshman Year - Summer

<table>
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<tr>
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<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
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</table>

## Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<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>
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</table>

## Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</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 ( Prefer AMH 2010)</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

## Sophomore Year - Summer

1. EDF 2130 Child and Adolescent Development for Educators | 3 hrs |
2. EEC 2732 Health, Safety, and Nutrition for Young Children | 3 hrs |
3. GEP B3 Elective ( Prefer AMH 2020) | 3 hrs |

## Junior Year - Fall

1. 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.

## 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

## Acceptable Substitutes for Transfer Courses

- None

## Related Minors

- None

## Advising Notes

- None

## Transfer Notes

- None

## Certificates

- None

## Related Programs

- None

## Undergraduate Catalog 2014-2015

178
<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children 3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children 3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition 3 hrs</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood 3 hrs</td>
</tr>
<tr>
<td>EXE 3450</td>
<td>Young Children With Special Needs 3 hrs</td>
</tr>
<tr>
<td><strong>Junior Year - Summer</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>Please note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).</td>
<td></td>
</tr>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education 3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading 3 hrs</td>
</tr>
<tr>
<td><strong>Senior Year - Fall</strong></td>
<td>12 hrs</td>
</tr>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Early Childhood 3 hrs</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Teaching Science and Technology to Young Children 3 hrs</td>
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<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs</td>
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<td>EEC 4235C</td>
<td>Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs</td>
</tr>
<tr>
<td>EEC 4943</td>
<td>Student Teaching 12 hrs</td>
</tr>
<tr>
<td><strong>Program Academic Learning Compacts</strong></td>
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</tr>
<tr>
<td>Please note: Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: <a href="http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm">http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm</a></td>
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</tbody>
</table>

**Early Childhood Development and Education Track**

2: Early Childhood Development (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Complex**

**http://education.ucf.edu/ece/**

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615

**EARLY CHILDHOOD DEVELOPMENT TRACK**

Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of 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 practicum.

**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 Child Development prerequisite courses 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 through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@ucf.edu) 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 overall 2.75 GPA in all courses within the major is required.

1. **UCF General Education Program (GEP)** (36 hrs)

- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</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>
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<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
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<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
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<tbody>
<tr>
<td>General Education Program elective from section B2:</td>
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</tr>
<tr>
<td>Prefer REL 2300 World Religions or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PHI 2400 Introduction to Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer LIT 2110 World Literature I or</td>
<td>3 hrs</td>
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<tr>
<td>Prefer LIT 2120 World Literature II</td>
<td>3 hrs</td>
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<tr>
<td>General Education Program elective from section B1 to meet Gordon Rule Requirement.</td>
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</tr>
<tr>
<td>General Education Program elective: Prefer a second course from GEP section B1.</td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
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<tbody>
<tr>
<td>Prefer STA 1063C Basic Statistics Using MS Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Prefer SCS 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Select 1: | |
| Prefer ANT 2511 The Human Species or | 3 hrs |
| Prefer BSC 1006 Biological Principles | 3 hrs |

2. **Common Program Prerequisites (CPP)** (6 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

| EDF 2085 Introduction to Diversity for Educators | 3 hrs |
| EDF 2004C Developmental Psychology | 3 hrs |

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 |
| Restricted Elective with Advisor approval | 3 hrs |

| Select 1: | 3 hrs |
| EDF 2130 Child and Adolescent Development for Educators or SOW 3104 Assessing I: Human Development | |

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.

- However, a minimum overall GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.
## UCF Degree Programs

### Semester I
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</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>
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<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Restricted Elective with Advisor approval (3/4XXX level)</td>
<td>3 hrs</td>
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### Semester II
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
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<td>EEC 3613</td>
<td>Observation and Assessment of Young Children</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4402</td>
<td>Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
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<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3008</td>
<td>Early Childhood Children’s Literature</td>
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### Semester III
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<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
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<tr>
<td>EEC 4528</td>
<td>Infant/Toddler Care and Education</td>
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### Semester IV
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<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</td>
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<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
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</tbody>
</table>

Select Two Early Childhood Development Track Electives

- Note: Students must consult with their advisor regarding approval for other elective options.
- EEC 4268: Curriculum Activities in Early Childhood or 3 hrs
- EEC 4524: Organization and Management in Early Childhood or 3 hrs
- EXP 3604C: Cognitive Psychology or 4 hrs
- PED 3041: Games Analysis or 3 hrs
- PET 3820: Teaching Sports Skills I or 3 hrs
- PET 4640: Adapted Physical Education or 3 hrs
- PET 4710: Methods for Physical Activity for Children and Adolescents or 3 hrs
- TSL 4080: Theory and Practice of Teaching ESL or 3 hrs
- SOW 4650: Child Abuse: Treatment and Prevention or 3 hrs
- SOW 4554: Children’s Services or 3 hrs
- EEC 4744: Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
- SOW 3104: Assessing I: Human Development or 3 hrs

### Semester V
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4940</td>
<td>Practicum: Early Childhood Development</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

- 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

### 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 - Assessing I: Human Development 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</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>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</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>
</tbody>
</table>

### Select 1:
- REL 2300: World Religions or 3 hrs
- PHI 2010: Introduction to Philosophy or 3 hrs
- LIT 2110: World Literature I or 3 hrs
- LIT 2120: World Literature II or 3 hrs

### Freshman Year - Summer
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit 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>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:
- BSC 1005: Biological Principles or 3 hrs
- ANT 2511: The Human Species or 3 hrs
which is continuously reviewed by faculty. This degree culminates and reflect upon their accomplishments in a Professional Portfolio, Learning Centers. Throughout the program, students document the educational requirements for staff at Head Start and Early Knowledge base in the overall development of children that meets prepared to work with infants, children and families in diverse early furthering quality early childhood programming. Students will be to early childhood careers and the roles professionals serve in

Track 3: Early Childhood Careers (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
Dr. Dierdre Englhart, 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.

1. UCF General Education Program (GEP) (36 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 are advised to take the preferred courses.
■ 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
General Education Program elective from section B2: 3 hrs
Preferred REL 2300 World Religions or 3 hrs
Preferred PHI 2010 Introduction to Philosophy or 3 hrs
Preferred LIT 2110 World Literature I or 3 hrs
Preferred LIT 2120 World Literature II 3 hrs
General Education Program elective from Section B1 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from GEP section B1.
3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
Preferred MGF 1106 Finite Mathematics or 3 hrs
Preferred MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Preferred STA 1063C Basic Statistics Using Microsoft Excel or Principles of Statistics 3 hrs

E: Science Foundations (6 hrs)
Prefer PSY 2012 General Psychology 3 hrs
Prefer POL 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP)
■ None
### 3. Core Requirements: Basic Level (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUE 2211</td>
<td>Early Childhood Music and Movement</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 2000</td>
<td>Early Childhood Art and Creativity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</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>
</tbody>
</table>

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or DEP 2004C Developmental Psychology (3 hrs)

### 4. Core Requirements: Advanced Level (51 hrs)

- 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.
- Students admitted without meeting this requirement must complete the required two units of foreign language in high school. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

### 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 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 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.
- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 1000</td>
<td>Substitutes for EDF 2130 or DEP 2004C</td>
<td></td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</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>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4050C</td>
<td>Motor Development and Learning</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>EEC 3613</td>
<td>Observation and Assessment of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4402</td>
<td>Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4528</td>
<td>Infant/Toddler Care and Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4211</td>
<td>Science and Math Learning for Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4260</td>
<td>Early Childhood Program Evaluation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4314</td>
<td>Effective Practices for Guiding Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4942</td>
<td>Practicum: Early Childhood Careers</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

Guidance:

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

University of Central Florida
### Economics (B.A.)

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405

Nora Underwood, BA2 302N, 407-823-1403

David Scrogin, BA2 302U, 407-823-4129

Phone: 407-823-3266

The Bachelor of Arts 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. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. 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 Arts 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)*

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>B: Cultural &amp; Historical Foundations</th>
<th>C: Mathematical Foundations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td> </td>
<td>Required STA 2023 Statistical Methods I</td>
</tr>
<tr>
<td>3 hrs</td>
<td><em>(9 hrs)</em></td>
<td>Required MAC 1105C College Algebra</td>
</tr>
<tr>
<td> </td>
<td> </td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Core Requirements: Basic Level *(18 hrs)*

- **None**

#### 3. Core Requirements: Advanced Level *(12 hrs)*

<table>
<thead>
<tr>
<th>ECO 3101</th>
<th>Intermediate Microeconomics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
</tr>
</tbody>
</table>

#### Select one of the following sequences of courses:

- ECO 3401 Quantitative Business Tools I **3 hrs**

- or

- MAC 2233 Concepts of Calculus and 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**

#### 4. Core Requirements: Advanced Level *(18 hrs)*

<table>
<thead>
<tr>
<th>ECO 3101</th>
<th>Intermediate Microeconomics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
</tr>
</tbody>
</table>

#### Select one of the following sequences of courses:

- ECO 3401 Quantitative Business Tools I **3 hrs**

- or

- MAC 2233 Concepts of Calculus and 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)*

<table>
<thead>
<tr>
<th>ECO 3023</th>
<th>Money and Banking</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3410</td>
<td>Mathematical Economics</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
</tr>
<tr>
<td>ECO 4412</td>
<td>Econometrics</td>
</tr>
<tr>
<td>ECO 4504</td>
<td>Public Economics</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
</tr>
<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
</tr>
<tr>
<td>ECO 4934</td>
<td>Topics in Econometrics</td>
</tr>
<tr>
<td>ECP 3004</td>
<td>Seminar on Current Economic Topics</td>
</tr>
<tr>
<td>ECP 3203</td>
<td>Labor Economics</td>
</tr>
<tr>
<td>ECP 4030</td>
<td>Environmental and Natural Resource Economics</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>Industrial Organization and Game Theory</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
</tr>
<tr>
<td>ECP 4530</td>
<td>Health Economics</td>
</tr>
</tbody>
</table>

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

- ECO 3410 Mathematical Economics **3 hrs**
- ECO 4412 Econometrics **3 hrs**
- ECP 4403 Industrial Organization and Game Theory **3 hrs**
- ECO 4934 Topics in Econometrics **3 hrs**

#### 6. Capstone Requirements *(1 hr)*

| ECO 4902 | Capstone in Economics |

#### 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
- 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.

### Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### Additional Requirements
- None

### 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.

### 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

### Related Minors
- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

### Advising Notes
- None

### 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.
- Only grades of "C" (2.0) or better transfer into the program and students must have a "C" or better in each common program prerequisites class.

### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study

##### Freshman Year - Fall
- 15 hrs
  - ENC 1101  Composition I  3 hrs
  - MAC 1195C  College Algebra  3 hrs
  - ECO 2013  Principles of Macroeconomics  3 hrs
  - Free Elective  3 hrs
  - Cultural Foundation (GEP)  3 hrs

##### Freshman Year - Spring
- 15 hrs
  - ECO 2023  Principles of Microeconomics  3 hrs
  - ENC 1102  Composition II  3 hrs
  - STA 2023  Statistical Methods I  3 hrs
  - Social Science Foundation II (ANT/SYG/PSY) (GEP)  3 hrs
  - Free Elective  3 hrs

##### Sophomore Year - Fall
- 15 hrs
  - SPC 1608  Fundamentals of Oral Communication  3 hrs
  - ECO 3401  Quantitative Business Tools I  3 hrs
  - Science Foundation I (GEP)  3 hrs
  - Historical Foundation I (GEP)  3 hrs
  - Free Elective  3 hrs

##### Sophomore Year - Spring
- 16 hrs
  - Foreign Language  4 hrs
  - Historical Foundation II (GEP)  3 hrs
  - Science Foundation II (GEP)  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - Free Elective  3 hrs

##### Junior Year - Fall
- 16 hrs
  - ECO 3101  Intermediate Microeconomics  3 hrs
  - ECO 3411  Quantitative Business Tools II  3 hrs
  - Foreign Language II  4 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs

##### Junior Year - Spring
- 15 hrs
  - (or STA 4163 or STA 4321)
  - ECO 3203  Intermediate Macroeconomics  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - Free Elective  3 hrs
  - Free Elective  3 hrs

##### Senior Year - Fall
- 13 hrs
  - ECO 4902  Capstone in Economics  1 hr
  - ECO Elective (MAJ)  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - Free Elective  3 hrs

##### Senior Year - Spring
- 15 hrs
  - ECO Elective (MAJ)  3 hrs
  - ECO Elective (MAJ)  3 hrs
  - ECO Elective (MAJ)  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.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: $15 per term
- Full-Time Student: $30 per term

### Economics, Business (B.S.B.A.)

#### College of Business Administration

##### Department of Economics, Business Administration II, Room: 305

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, 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 in Business Administration degree with a major in Economics.
Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution.

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics
- Students in the Business Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Economics courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Economics courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Economics courses in the subsequent term, that student will be dropped as a Business Economics major.
- A student who is dropped may seek re-admittance as a Business Economics major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Economics GPA of 2.0 or higher. Readmission is not automatic.

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 MAC 1105C College Algebra

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Macroeconomics
   Prefer ECO 3023 Principles of Microeconomics

   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology
   Suggested PSY 2012 General Psychology
   Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
   Must be completed with a “C” (2.0) or better.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (35 hrs)
   1. GEB 3031 Cornerstone: Professional Skills for Business
   2. GEB 3031L Cornerstone Lab: Professional Skills for Business
   GEB 3003 Career Research & Planning
   GEB 3005 Career Search Strategy
   BUL 3130 Legal and Ethical Environment of Business
   ECO 3411 Quantitative Business Tools II
   FIN 3403C Business Finance

   1. Must be taken in 1st or 2nd semester.
   2. Required to be taken with GEB 3031

Required Major Courses (6 hrs)
ECO 3101 Intermediate Microeconomics
ECO 3203 Intermediate Macroeconomics

5. Restricted Electives (18 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
  ECO 3410 Mathematical Economics
  ECO 3703 International Microeconomics
  ECO 4303 History of Economic Thought
  ECO 4412 Econometrics
  ECO 4504 Public Economics
  ECO 4713 International Macroeconomics
  ECO 4751 Law and Economics
  ECP 3004 Seminar on Current Economic Topics
  ECO 3203 Labor Economics
  ECP 4303 Environmental and Natural Resource Economics
  ECP 4403 Industrial Organization and Game Theory
  ECS 4013 Development Economics
  ECO 4934 Topics in Econometrics
  ECP 4530 Health Economics

   For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
  ECO 3410 Mathematical Economics
  ECO 4412 Econometrics
  ECO 4503 Industrial Organization and Game Theory
  ECO 4934 Topics in Econometrics

6. Capstone Requirements (5 hrs)
   ECO 4902 Capstone in Economics
   1. MAN 4720 Strategic Management

   1. This course is taken in the graduating term and requires the following prerequisites: FIN 3403C, GEB 3031, GEB 3031L, MAN 3025, MAR 3023

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
   - Special College and/or Departmental Requirements
   - Must complete all Gordon Rule requirements prior to admission to this degree.
   - 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.
   - Final exams will be given during Exam Week.
   - Students must have at least a 2.0 GPA in the COB and major.

   Any student receiving a business degree must complete one half (30) of the 60 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.

   Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.
### UCF Degree Programs

#### 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
- Economics

### 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.

### Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

### Plan of Study

#### 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
- CJS 2100C Computer Fundamentals for Business 3 hrs
- Social Foundation 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
- Historical Foundation II 3 hrs
- Science 3 hrs
- Elective 3 hrs

#### Junior Year - Fall
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3003 Career Research & Planning 1 hr
- FIN 3403C Business Finance 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAR 3023 Marketing 3 hrs

#### Junior Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Elective 3 hrs

#### Senior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- Restrictive Elective 3 hrs
- Restrictive Elective 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

#### Senior Year - Spring
- ECO 4902 Capstone in Economics 1 hr
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAN 4720 Strategic Management 4 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.oelas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm)

### Electrical Engineering (B.S.E.E.)

#### College of Engineering and Computer Science

#### Department of Electrical Engineering and Computer Science

#### Science, Harris Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

#### Email: undergraduate@eecs.ucf.edu

Dr. Samuel Richie
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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

### Degree Requirements
- None
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
   Select 1: 3 hrs
   Prefer 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 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   Select one class from Social Foundations 3 hrs
   E: Science Foundations (7 hrs)
   Required PHY 2048C Physics for Engineers & Scientists 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 EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.
   1 MAC 2311C Calculus with Analytic Geometry I GEP
   1 MAC 2312C Calculus with Analytic Geometry II 4 hrs
   1 MAC 2313C Calculus with Analytic Geometry III 4 hrs
   1 PHY 2048C Physics for Engineers & Scientists I GEP
   1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
   1 MAP 2302 Ordinary Differential Equations I 3 hrs
   Select 1: 4 hrs
   1 CHS 1440 Principles of Chemistry or CHM 2045C Chemistry Fundamentals I 4 hrs
   1 A "C" (2.0) or better is required in this course.
   2 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 1907C Engineering Concepts and Methods 1 hr
   4. Core Requirements: Advanced Level (53 hrs)
   Courses Required for the Engineering Core 9 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP
   PHY 3101 Physics for Engineers and Scientists III 3 hrs
   Select 1: 3 hrs
   EGN 3321 Engineering Analysis-Dynamics or EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs
   Courses Required for the Major 44 hrs
   EEL 3004C Electrical Networks 3 hrs
   EEL 3123C Networks and Systems 4 hrs
   EEE 3350 Semiconductor Devices I 3 hrs
   EEE 3307C Electronics I 4 hrs
   EEE 3342C Digital Systems 3 hrs
   EEL 3470 Electromagnetic Fields 3 hrs
   EEL 3552C Analog and Digital Communication 4 hrs
   Fundamentals
   EEL 3657 Linear Control Systems 3 hrs
   EEL 3801C Computer Organization 3 hrs
   EEE 4309C Electronics II 4 hrs
   EEL 4750 Digital Signal Processing Fundamentals 3 hrs
   EEL 4742C Embedded Systems 4 hrs
   EGN 3211 Engineering Analysis and Computation 3 hrs
   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)
   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
   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
   Related Programs
   ■ Computer Engineering
   ■ Computer Science
   ■ Mathematics - Engineering/Physics Track
   ■ Physics
   Certificates
   ■ None
UCF Degree Programs

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.
- Students are assumed knowledge of a higher level programming language (C preferred).

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. 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 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

Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

Junior Year - Fall
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 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

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Senior Year - Fall
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 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

Equipment Fees
- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Elementary Education (B.S.)

College of Education and Human Performance

School of Teaching, Learning, and Leadership

Education Complex, Room: 209

http://education.ucf.edu/eledem/

Dr. Karri Williams, Karri.Williams@ucf.edu
Dr. Robert Everett, ED 122R, Robert.Everett@ucf.edu, 407-823-5788

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.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- 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.

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.
- 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.

<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 SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877 3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1: 3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ARH 2050 History of Western Art I or 3 hrs</td>
</tr>
<tr>
<td>Prefer ARH 2051 History of Western Art II or 3 hrs</td>
</tr>
<tr>
<td>Prefer MUL 2010 Enjoyment of Music 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1: 3 hrs</td>
</tr>
<tr>
<td>Suggested MAC 1105C College Algebra or 3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Summer 6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs</td>
</tr>
<tr>
<td>TSL 4240 Issues in Second Language Acquisition 3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Semester I 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1EDG 4410 Teaching Strategies and Classroom Management 3 hrs</td>
</tr>
<tr>
<td>EEX 4070 Teaching Exceptional Students 3 hrs</td>
</tr>
<tr>
<td>LAE 3414 Literature for Children 3 hrs</td>
</tr>
<tr>
<td>1RED 3012 Basic Foundations of Reading 3 hrs</td>
</tr>
<tr>
<td>1TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs</td>
</tr>
</tbody>
</table>

1 Required prior to Internship I

<table>
<thead>
<tr>
<th>Semester II 15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCE 3310 Teaching Science in Elementary School 3 hrs</td>
</tr>
<tr>
<td>SSE 3312 Teaching Social Science in the Elementary School 3 hrs</td>
</tr>
<tr>
<td>LAE 4314 Language Arts in the Elementary School 3 hrs</td>
</tr>
<tr>
<td>1RED 4519 Diagnostic and Corrective Reading 3 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment 3 hrs</td>
</tr>
</tbody>
</table>

1 Required prior to Internship I

<table>
<thead>
<tr>
<th>Semester III (Internship I Block) 12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at <a href="http://www.education.ucf.edu/clinicalexp/Prerequisites">http://www.education.ucf.edu/clinicalexp/Prerequisites</a> for Internship I: EDF 4410, RED 3012, TSL 4080, MAE 2801 RED 4942 Practicum for Assessment and Instruction 3 hrs of Reading</td>
</tr>
<tr>
<td>MAE 3266 How Children Learn Mathematics 3 hrs</td>
</tr>
<tr>
<td>1EDE 3942 Internship I 3 hrs</td>
</tr>
<tr>
<td>EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs</td>
</tr>
</tbody>
</table>

1 RED 4942, MAE 3266, and EDE 4943 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.

<table>
<thead>
<tr>
<th>Semester IV (Internship II) 12 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at <a href="http://www.education.ucf.edu/clinicalexp/">http://www.education.ucf.edu/clinicalexp/</a></td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level (15 hrs)

<table>
<thead>
<tr>
<th>Other Program Requirements 8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1EDF 2130 Child and Adolescent Development for Educators 3 hrs</td>
</tr>
<tr>
<td>2MAE 2801 Elementary School Mathematics 4 hrs</td>
</tr>
<tr>
<td>3PET 2081 Wellness, Children and Schools 1 hr</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.
2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801
3 Courses taken at a Florida College System institution may substitute for select courses in Other Program Requirements with the permission of the department.

<table>
<thead>
<tr>
<th>Lower Division Electives 7 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students 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.</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (60 hrs)
- The following recommended sequence of required upper division courses may vary at regional campus locations.
### Freshman Year - Spring
- **EDF 2130** Child and Adolescent Development for Educators  3 hrs
- **ENC 1102** Composition II  3 hrs
- **PSY 2012** General Psychology  3 hrs
- **PSC 1121** Physical Science  3 hrs
- **PSC 1121L** Physical Science Lab  1 hr

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### Freshman Year - Spring
- **MGF 1106** Finite Mathematics  3 hrs
- **POS 2041** American National Government  3 hrs

### Sophomore Year - Fall
- **AMH 2010** U.S. History: 1492-1877  3 hrs
- **BSC 1005** Biological Principles  3 hrs
- **EDF 2055** Introduction to the Teaching Profession  3 hrs
- **SPC 1608** Fundamentals of Oral Communication  3 hrs
- **MUL 2010** Enjoyment of Music  3 hrs

### Sophomore Year - Spring
- **AMH 2020** U.S. History: 1877-Present  3 hrs
- **MAE 2801** Elementary School Mathematics  4 hrs
- **STA 2014C** Principles of Statistics  3 hrs
- **EDF 2085** Introduction to Diversity for Educators  3 hrs
- **PET 2081** Wellness, Children and Schools  1 hr

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### Junior Year - Fall
- **EDG 4410** Teaching Strategies and Classroom Management  3 hrs
- **EEX 4070** Teaching Exceptional Students  3 hrs
- **LAE 3414** Literature for Children  3 hrs
- **EDF 4942** Practicum for Assessment and Instruction of Reading  3 hrs
- **EDE 4943** Internship II (Elementary)  12 hrs

### Junior Year - Spring
- **EDE 4223** Integrated Arts and Movement in the Elementary School  3 hrs
- **MAE 4326** How Children Learn Mathematics  3 hrs
- **RED 4942** Practicum for Assessment and Instruction of Reading  3 hrs
- **EDE 4943** Internship II (Elementary)  12 hrs

### Senior Year - Fall
- **MAE 4326** How Children Learn Mathematics  3 hrs
- **RED 4942** Practicum for Assessment and Instruction of Reading  3 hrs
- **EDE 4943** Internship II (Elementary)  12 hrs

### Senior Year - Spring
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
- **TSL 4240** Issues in Second Language Acquisition  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](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $6 per term
- Full-Time Student: $12 per term
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 1.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

   E: Science Foundations
   2. Common Program Prerequisites (CPP) (6 hrs)
   1 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 3 hrs
   Study
   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.
   Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.
   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 4220 English Renaissance Poetry and Prose or 3 hrs
   ENL 4230 18th Century Studies or 3 hrs
   ENL 4240 English Romantic Writers or 3 hrs

   Select at least one of these post-1865 literature courses.
   Select 2: 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 3192 Caribbean Literature or 3 hrs
   LIT 4043 Modern Drama As Literature or 3 hrs
   LIT 4184 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)
   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 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 or 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 or 3 hrs

   c. Choose one of the following: 3 hrs
      Select 1: 3 hrs
      CRW 3311 Structure of Verse or 3 hrs
      CRW 3540 Literary Magazines or 3 hrs
      CRW 4114 History of Prose Style or 3 hrs
      CRW 4274 The Florida Review or 3 hrs
      CRW 4914 The Writing Life or 3 hrs
      CRW 4922 Editing for Creative Writers or 3 hrs
      any other CRW elective or Special Topics course or 3 hrs

   6. Capstone Requirements
      None

   7. Foreign Language Requirements
      Admissions
      None
      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.
UCF Degree Programs

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
    - Maintain a minimum GPA of 2.0 in upper division required courses
    - 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 English graduate or 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

Related Minors
   - Linguistics
   - English - Technical Communication
   - Writing and Rhetoric
   - English - Literature

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 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
   - POS 2041 American National Government 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 1121C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall 16 hrs
   - LIT 2120 World Literature II 3 hrs
   - FSY 2012 General Psychology 3 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
   - Restricted Elective 3 hrs
   - BSC 1005 Biological Principles 3 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 3210 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 Structure of Verse 3 hrs
   - CRW 4122 Advanced Fiction 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 1 hr

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

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. Patrick Murphy
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.

UNIVERSITY OF CENTRAL FLORIDA 192 Undergraduate Catalog 2014-2015
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 1.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 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

1. UCF General Education Program (GEP) (36 hrs)

1. ENC 1101 Composition I GEP
1. ENC 1102 Composition II GEP

1. See transfer notes for possible substitutions.

2. Common Program Prerequisites (CPP)

1. ENC 1101 Composition I 3 hrs
1. ENC 1102 Composition II 3 hrs

1. See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)

1. ENG 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 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 4220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 18th Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
AML 3286 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 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 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
LIT 3823 Hispanic Women Writers 3 hrs

3. Core Requirements: Advanced Level (6 hrs)

Choose one course from GEP C.2 list 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 a minimum GPA of 2.0 in upper division required courses.
■ 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
UCF Degree Programs

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).
- 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 15 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring 16 hrs
- 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
- 1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs
- CRW 3013 Creative Writing for English Majors 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 15 hrs
- ENL 3211 Restoration Literature 3 hrs
- AML 4261 Literature of the South 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- 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 13 hrs
- 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.oecs.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. Patrick Murphy
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 (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)
Math:
- Required MGF 1106 Finite Mathematics or 3 hrs
- Suggested 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

D: Social Foundations (6 hrs)

UNIVERSITY OF CENTRAL FLORIDA
### Core Requirements: Basic Level (6 hrs)
- Select 1:
  - ENC 3241 Writing for the Technical Professional (3 hrs)

### Core Requirements: Advanced Level (15 hrs)
- Select 1:
  - CRW 3013 Creative Writing for English Majors or (3 hrs)
  - ENG 3014 Theories and Techniques of Literature Study or (3 hrs)
  - CRW 3053 Theory & Practice of Creative Writing (3 hrs)
- Select 2:
  - LIT 3082 Continental European Fiction Since 1900 (3 hrs)

### Literary History Requirement (9 hrs)
- Choose three courses from these two groupings
  - Select at least one of these pre-1865 literature courses
    - 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 4220 English Renaissance Poetry and Prose or (3 hrs)
    - ENL 4230 18th 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)
    - LIT 4374 Literature of the Bible or (3 hrs)
    - AML 3286 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 one of these post 1865 literature courses
    - 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 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 3192 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)
    - AML 3643 Contemporary Native American Prose and Poetry or (3 hrs)
    - LIT 3823 Hispanic Women Writers (3 hrs)

### Restricted Electives (6 hrs)
- Select 2:
  - ENC 4262 International Technical Communication or (3 hrs)
  - ENC 4265 Writing for the Computer Industry or (3 hrs)
  - ENC 4290 Usability Testing for Technical Communication or (3 hrs)

### Optional course:
- ENC 4941 Internship (1 hr)

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements
- Admissions
  - None
- 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 a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following:
  - ENC 4293 Documentation and the Collaborative Process (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 (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 - Literature
- English - Linguistics
- Writing and Rhetoric
### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Freshman Year - Spring
- 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
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- Restricted Elective 3 hrs

### Sophomore Year - Spring
- ENC 3241 Writing for the Technical Professional Process 3 hrs
- AML 3613 Narratives of Slavery 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Fall
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- AML 3041 American Literature II 3 hrs
- LIT 4433 Literature of Science and Technology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Junior Year - Spring
- 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
- Restricted Elective 3 hrs

### Senior Year - Fall
- ENC 4218 The Visual in Technical Documentation 3 hrs
- ENC 4262 International Technical Communication 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring
- ENC 4414 Writing and Hypertext 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.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/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. Jeff Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu, 407-823-2041
Dr. Janet Andreasen, Janet.Andreasen@ucf.edu, 407-823-5430

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 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.

### 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)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required LIT 2110 World Literature I 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Required MGF 1106 Finite Mathematics 3 hrs

#### Select 1: (3 hrs)
- Required STA 1063C Basic Statistics Using Microsoft Excel or
- Preferred STA 2014C Principles of Statistics 3 hrs

#### D: Social Foundations (6 hrs)
- Preferred POS 2041 American National Government 3 hrs
- Preferred PSY 2012 General Psychology 3 hrs
### 1. Prerequisite for Internship I.

Courses taken at Florida College System institutions may substitute for pre-professional, specialization and overall for admission to Internship I. 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 I Block**
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, 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 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.

### 2. Common Program Prerequisites (CPP) (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (12 hrs)

- Education Track requires 12 semester hours
- Lifelong Learning Track requires 15 semester hours

**Education Track** 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
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<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
<td>GEP</td>
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<tr>
<td>LIT 2120</td>
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<td>ENL 2012</td>
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<td>EDF 2130 3 hrs Child and Adolescent Development for Educators</td>
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<tr>
<td>EDF 2270</td>
<td>Adult Development &amp; Learning</td>
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**Lifelong Learning Track** 15 hrs

<table>
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<tr>
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<td>GEP</td>
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<tr>
<td>LIT 2120</td>
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<tr>
<td>ENL 2012</td>
<td>English Literature I</td>
<td>3 hrs</td>
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<tr>
<td>ENL 2022</td>
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<tr>
<td>Select 1:</td>
<td>EDF 2130 3 hrs Child and Adolescent Development for Educators</td>
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</tr>
<tr>
<td>EDF 2270</td>
<td>Adult Development &amp; Learning</td>
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### 4. Core Requirements: Advanced Level (60 hrs)

- Education Track requires 63 semester hours
- Lifelong Learning Track requires 60 semester hours

**Education Core Requirements** 21 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
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<td>Teaching Strategies and Classroom Management</td>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EED 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 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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.**

**Internship II** 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.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.
- 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.

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<tr>
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<th>Hours</th>
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<tr>
<td>LAE 4360</td>
<td>English Instructional Analysis</td>
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<td>LAE 4342</td>
<td>Programs in Teaching Language and Composition</td>
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<tr>
<td>LAE 3940</td>
<td>Internship</td>
<td>3 hrs</td>
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</tbody>
</table>

**Lifelong Learning Track Specialization** 39 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.
- Must have a total of 48 or more hours of upper level courses to graduate.
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 4583 Project Management 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECE 4167C Industry Training Techniques for Hospitality Industry 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

6. Capstone Requirements

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:

8. Electives

9. Additional Requirements

10. Required Minors

11. Departmental Exit 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:
120

Honors in Major:
None

Related Programs:
None

Certificates:
None

Related Minors:
None

Advising Notes:
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:

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History; 1492-1877 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
AMH 2020 U.S. History; 1877-Present 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
LIT 2110 World Literature I 3 hrs
Education Track:
EDF 2130 Child and Adolescent Development for Educators 3 hrs
Lifelong Learning Track:
EDF 2130 Child and Adolescent Development for Educators or EDP 2270 Adult Development & Learning 3 hrs
Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
LIT 2120 World Literature II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1:
ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs
Select 1:
STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
Sophomore Year - Spring 12 hrs
ENL 2012 English Literature I 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
Education Track:
AML 3031 American Literature I 3 hrs
Lifelong Learning Track:
MHS 2330 Career Planning 3 hrs
Sophomore Year - Summer 6 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
ENL 2022 English Literature II 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:
CRW 3013 Creative Writing for English Majors 3 hrs
Select 1:
ENC 3311 Essay as Cultural Commentary or LIN 4105 History of the English Language 3 hrs
Lifelong Learning Track:
Choose Lifelong Learning Specialization courses 6 hrs
Requirements listed below. Independent study courses section 5 Restricted Electives and section 6 Capstone Requirements, section 4 Advanced Core Requirements, requires all engineering students to achieve a minimum 2.25 pending prerequisite course(s) listed above.

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 PHY 2049C. Students wanting to declare a major in an engineering discipline must complete a change of major after the withdrawal deadline 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.

Education Track
AML 3041 American Literature II and 3 hrs
LAE 4464 Survey of Adolescent Literature and 3 hrs
Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization courses 9 hrs

Junior Year - Summer
Education Track
ENG 3014 Theories and Techniques of Literature Study 3 hrs

Lifelong Learning Track
Choose a Lifelong Learning Specialization course 3 hrs

Senior Year - Fall
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track
LAE 4350 English Instructional Analysis and 3 hrs
LAE 3940 Internship and 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs

Lifelong Learning Track
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring
12 hrs

Education Track
LAE 4941 Internship 12 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

UCF Degree Programs

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 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 Group 1 3 hrs
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 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.

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.
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- CHM 2045C Chemistry Fundamentals I 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Select one of the following sequences of courses:
- Preferred course
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - or
  - CHM 2040 Chemistry Fundamentals I and IIB 3 hrs
  - CHM 2041 Chemistry Fundamentals IIB 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.
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
- CHM 2045C Chemistry Fundamentals I 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Earth Science Biological Science 3 hrs

1 A “C” (2.0) or better is required in this course.
4. Core Requirements: Advanced Level (53 hrs)

1. EGN 3310 Engineering Analysis-Statics 3 hrs
2. EGN 3321 Engineering Analysis-Dynamics 3 hrs
3. EGN 3331 Mechanics of Materials 3 hrs
4. EGN 3343 Thermodynamics 3 hrs
5. EGN 3613 Engineering Economic Analysis 2 hrs
6. ENV 3001 Introduction to Environmental Engineering 3 hrs
7. CEE 4003 Introduction to the Construction Industry 3 hrs
8. STA 3022 Probability and Statistics for Engineers 3 hrs
9. CWR 3201 Engineering Fluid Mechanics 3 hrs
10. CEG 4011C Geotechnical Engineering I 4 hrs
11. EES 4111C Biological Process Control 3 hrs
12. EES 4202C Chemical Process Control 4 hrs
13. ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
14. CWR 4632C Water Resources Engineering I 4 hrs
15. CWR 4633C Water Resources Engineering II 3 hrs
16. ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
17. ENV 4541 Solid & Hazardous Waste Management 3 hrs

1 A “C” (2.0) or better is required in this course.

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.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses
  - CGN 4808C CECE Capstone Design 3 hrs
- Design Specialization 3 hrs
  - Must be completed before registering for CGN 4808C -
  - Capstone Design
  - ENV 4433C Environmental Engineering Wastewater Design or
  - ENV 4122C Air Pollution Control Design or
  - ENV 4300C Solid Waste Facility Design or
  - ENV 4562C Environmental Engineering Water Treatment Design

1 A “C” (2.0) or better is required in this course.

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

- EnV 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
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

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 Environmental 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 opportunity 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 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. 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 14 hrs

1 ENC 1101 Composition I 3 hrs
2 MAC 2311C Calculus with Analytic Geometry I 4 hrs
3 EGS 1006C Introduction to the Engineering Profession 1 hr
4 BSC 1050 Biology and Environment 3 hrs
5 GEP 3 hrs

1 Biological Science Requirement for Major

Freshman Year - Spring 15 hrs

1 ENC 1102 Composition II 3 hrs
2 MAC 2312 Calculus with Analytic Geometry II 4 hrs
3 PHY 2048C Physics for Engineers & Scientists I 4 hrs
4 EGN 1007C Engineering Concepts and Methods 1 hr
5 GEO 1200 Physical Geography 3 hrs

1 Earth Science Requirement for Major - also in GEP

Sophomore Year - Fall 16 hrs

1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
2 CHM 2045C Chemistry Fundamentals I 4 hrs
3 EGN 3310 Engineering Analysis-Statics 3 hrs
4 EGN 3613 Engineering Economic Analysis 2 hrs
5 GEP 3 hrs
### UCF Degree Programs

**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  
Email: hospitality@mail.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 advised cores, and the restricted electives.

#### 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
- Full-Time Student: $70 per term  
- Part-Time Student: $35 per term

### Internships
- Full-Time Student: $70 per term

### Event Management Core

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<th>Credits</th>
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<td>Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
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<tr>
<td>HFT 2254</td>
<td>Lodging Operations</td>
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<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting</td>
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<td>HFT 3540</td>
<td>Guest Services Management</td>
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<td>HFT 4286</td>
<td>Hospitality Communications</td>
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<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
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<td>HFT 3940</td>
<td>Internship I</td>
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<td>HFT 4941</td>
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<tr>
<td>HFT 4944</td>
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### Event Management Core

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<td>HFT 2750</td>
<td>The Event Industry</td>
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<td>HFT 3670</td>
<td>Hospitality and Event Risk Management</td>
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<td>Event Promotion</td>
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<td>HFT 3443</td>
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<td>HFT 4802</td>
<td>Catering Sales Management</td>
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</tr>
</tbody>
</table>

### 5. Restricted Electives

Complete any five restricted Event Management Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3741</td>
<td>Meeting Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4754</td>
<td>Exhibit and Trade Show Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4795</td>
<td>Entertainment Arts and Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3788</td>
<td>Fairs and Festivals or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4561</td>
<td>Destination Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4736</td>
<td>Destination Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4796</td>
<td>International Events or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4375</td>
<td>Advanced Trade Show Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>Golf &amp; Club Event Operations or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

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 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 transferee 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
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
HFT 2254 Lodging Operations 3 hrs
HFT 2750 The Event Industry 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 16 hrs
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
ECO 2013 Principles of Microeconomics 3 hrs
ECO 2023 Principles of Macroeconomics 3 hrs

Sophomore Year - Spring 15 hrs
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

Junior Year - Fall 16 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

Junior Year - Spring 16 hrs
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

Senior Year - Fall 16 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4944 Internship III 1 hr
Event Restricted Electives 12 hrs

Senior Year - Spring 12 hrs
HFT 4757 Event Management 3 hrs
HFT 4802 Catering Sales Management 3 hrs
Event Restricted Elective 3 hrs
Free Electives 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: $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.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 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)
   - See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
- UCF General Education Program (GEP) completed in the first 60 hours.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures
- Prefer one course from 1.B.1 list
- Prefer one course from either 1.B.1 or 1.B.2 list

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
  - 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.

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) (3 hrs)
- Prefer FIL 2030 History of Motion Pictures
- FIL 1007 Foundations of Story
- See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (21 hrs)
- Lower level core requirements
  - FIL 2107 Script Analysis
  - FIL 1009 Cinematic Expression for Majors
  - FIL 2552 Editing I
  - FIL 2480 Directing for Film I
  - FIL 2461 Cinematography I
  - FIL 2451 Directing the Actor for Film I
  - DIG 2000 Introduction to Digital Media

4. Core Requirements: Advanced Level (36 hrs)
- Upper level core requirements
  - FIL 3115 Short Script I
  - FIL 3132 Short Script II
  - FIL 3427C Introduction to Film Production
  - FIL 3534 Sound Design for Film I
  - FIL 3036 Film History I
  - FIL 3037 Film History II
  - FIL 3830C Film Theory and Criticism I
  - FIL 3922 Film Colloquium
  - FIL 4468C Directing for Film II
  - FIL 4661 The Film Producer
  - FIL 4647 Film Production Management

6. Capstone Requirements (6 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 3363C Film Documentary
- DIG 4704 Interactive Entertainment
- FIL 4472C Cinematography II
- FIL 4535C Sound Design for Film II
- FIL 4536 Sound Design III
- FIL 4451 Design for Film
- FIL 4487 Directing for Film III
- FIL 4566C Editing II

Screen Writing
- FIL 4103 Adaptation
- FIL 4162C Feature/TV Writing I
- FIL 4163C Feature/TV Writing II
- FIL 4125C Screen Writing
- FIL 4906 Directed Independent Study

Cinema Studies
- FIL 3880C Images of Women in Film
- FIL 3831 Black Cinema
- FIL 3051 Avant-Garde Cinema
- FIL 3840C Film Theory and Criticism II
- FIL 3841 French New Wave Cinema
- FIL 3824 Italian Neo-Realist Cinema
- FIL 3847 Latin American Cinema
- FIL 3820 Italian Film
- FIL 3822 French Film
- FIL 3823 German Film
- FIL 3826 American Cinema
- FIL 3871 The American Film Artist
- FIL 4436 Film Theory/Film Production

Digital Cinema
- ART 2823 Art as Interface
- ART 3618 Post-Production Design
- COP 3502C Computer Science I
- DIG 4855 Converging Media Capstone
- DIG 3138C Digital Imagery
- DIG 4780C Modeling for Realtime Systems
- ENC 4415 Digital Rhetorics and The Modern Dialectic
- DIG 3134 Media Software Design
- MUC 3311 MIDI Sequencing I

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.

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, 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:
- CGS 1060C Introduction to Computers or
- FIL 2552 Editing I or
- STA 1063C Basic Statistics Using Microsoft Excel

1. Six semesters of colloquium required at 1 hour each.
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 - 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

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.
However, 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
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- GEP 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- GEP 3 hrs

Freshman Year - Summer
- GEP 3 hrs

Sophomore Year - Fall
- FIL 2107 Script Analysis 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- FIL 2480 Directing for Film 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- FIL 2552 Editing I 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs

Sophomore Year - Summer
- Foreign Language Elementary Level I 4 hrs
- Foreign Language Elementary Level II 4 hrs

Junior Year - Fall
- 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
- 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
- FIL 4434C Capstone I 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

Senior Year - Spring
- FIL 4573C Capstone II 3 hrs
- Upper Level FIL Elective 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.oeas.ucf.edu/lac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Film - Cinema Studies Track (B.A.)

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)

Related Programs
- None

Certificates
- None

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
C: Mathematical Foundations (6 hrs)
Math
1 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 3 hrs
1 May substitute a higher level math.

D: Social Foundations (6 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.

3. Core Requirements: Basic Level (12 hrs)
FIL 1000 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: 3 hrs
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 3841 French New Wave Cinema 3 hrs
FIL 3041 History of Animated Films I 3 hrs
FIL 3824 Italian Neo-Realist 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
FIL 5012 Film and Internet Business 3 hrs
DIG 4855 Converging Media Capstone 3 hrs
DIG 4704 Interactive Entertainment 3 hrs
FIL 3847 Latin American Cinema 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 overall average of “C” (2.0) or better in major courses.

As competency met by one of the following:
CDS 1066C 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

Acceptable Substitutes for Common Program Prerequisites
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 1007 is a prerequisite for all major courses and must be taken.

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
UCF Degree Programs

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
GEP 3 hrs

Sophomore Year - Spring 15 hrs
DIG 2000 Introduction to Digital Media 3 hrs
FIL 2423 Foundations of Production 3 hrs
FIL 3102 Writing for Film and TV 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
FIL 3363C Film Documentary 3 hrs
FIL 3803C Film Theory and Criticism I 3 hrs
FIL 3036 Film History I 3 hrs
FIL XXXX - Elective 3 hrs
Minor 3 hrs

Junior Year - Spring 15 hrs
FIL 3037 Film History II 3 hrs
FIL 3462C Cinematic Expression 3 hrs
FIL 3804C Film Theory and Criticism II 3 hrs
FIL 4681 The Film Producer 3 hrs
Minor 3 hrs

Senior Year - Fall 15 hrs
FIL 3826 American Cinema 3 hrs
FIL 3845 World Cinema Traditions 3 hrs
FIL XXXX - Elective 3 hrs
Minor 3 hrs
Minor 3 hrs

Senior Year - Spring 12 hrs
FIL 3051 Avant-Garde Cinema 3 hrs
FIL XXXX - Elective 3 hrs
Minor 3 hrs
Minor 3 hrs

Program Academic Learning Compacts

See “Common Prerequisites” in the Transfer and Transitions services section for more information.

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Finance (B.S.B.A.)

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/
Phone: 407-823-3575

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.
- See Common Program Prerequisites

Degree Requirements

- Students who change their degree programs should adopt the most current catalog.
- Only grades “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.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of 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.
- A maximum of 6 hours of Advanced Level Core Requirements (section 4 below) or Restricted Electives (section 5 below) can count toward another CBA major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students in the finance major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major. Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a finance major. A student who is dropped may seek re-admittance as a finance major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.
- Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - FIN 3403C Business Finance 3 hrs

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
Prefer MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
Select 1:
- Prefer ECO 2013 Principles of Microeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
Suggested PSY 2012 General Psychology or 3 hrs
Suggested ANT 2000 General Anthropology 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.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.

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 Microeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

- Students who have not completed MAG 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
3. Core Requirements: Basic Level (29 hrs)

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<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>1 GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
<td>3 hrs</td>
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<tr>
<td>2 GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
<td>1 hr</td>
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<tr>
<td>GEB 3003</td>
<td>Career Research &amp; Planning</td>
<td>1 hr</td>
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<tr>
<td>GEB 3005</td>
<td>Career Search Strategy</td>
<td>1 hr</td>
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<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>3 hrs</td>
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<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3 hrs</td>
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<td>FIN 3403C</td>
<td>Business Finance</td>
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<td>GEB 3375</td>
<td>Introduction to International Business</td>
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<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3 hrs</td>
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<td>MAR 3023</td>
<td>Marketing</td>
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<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
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<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
<td>1 hr</td>
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<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
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1 Required in 1st or 2nd semester.
2 Required to be taken with GEB 3031

4. Core Requirements: Advanced Level (18 hrs)

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<th>Course Title</th>
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<tbody>
<tr>
<td>FIN 3303</td>
<td>Financial Markets</td>
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<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4453</td>
<td>Financial Models</td>
<td>3 hrs</td>
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<tr>
<td>FIN 3461</td>
<td>Financial Statement Analysis</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4224</td>
<td>Commercial Bank Management</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4424</td>
<td>Advanced Topics in Financial Management</td>
<td>3 hrs</td>
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<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management</td>
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<tr>
<td>FIN 4533</td>
<td>Financial Derivatives</td>
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<tr>
<td>FIN 4604</td>
<td>International Financial Management</td>
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Select 2: (6 hrs)

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<td>1 ACG 3361</td>
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<td>FIN 4224</td>
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<td>FIN 4906</td>
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<td>FIN 4941</td>
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<td>2 FIN 4903H</td>
<td>Honors Directed Reading I</td>
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<td>RER 3433</td>
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<td>RER 4103</td>
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<td>1 TAX 4001</td>
<td>Taxation of Business Entities and Transactions</td>
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</tbody>
</table>

1 Must be an accounting major or accounting minor to register for this course.
2 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

6. Capstone Requirements (4 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>MAN 4720</td>
<td>Strategic Management</td>
<td>4 hrs</td>
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</tbody>
</table>

- This course is taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 3 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 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
- (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 Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required: 120

Honors In Major
- None

Related Programs
- None

Certificates
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

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.

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.
2 Required to be taken with GEB 3031

UCF Degree Programs
UCF Degree Programs

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

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
CGS 2100C Computer Fundamentals for Business 3 hrs
Social Foundation 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
Historical Foundation I 3 hrs
Science 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs

ECO 3401 Quantitative Business Tools I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
Management Foundation II 3 hrs
Science 3 hrs
Elective 3 hrs

Junior Year - Fall 14 hrs

GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3003 Career Research & Planning 1 hr
FIN 3403C Business Finance 3 hrs
MAR 3023 Marketing 3 hrs
GEB 3375 Introduction to International Business 3 hrs

Junior Year - Spring 16 hrs

ECO 3411 Quantitative Business Tools II 3 hrs
FIN 3303 Financial Markets 3 hrs
FIN 3504 Investment Analysis 3 hrs
MAN 3025 Management of Organizations 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 3 hrs

Senior Year - Fall 16 hrs

BUL 3130 Legal and Ethical Environment of Business 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
FIN Restricted Elective 3 hrs
FIN Restricted Elective 3 hrs
FIN Elective 3 hrs

Senior Year - Spring 14 hrs

FIN 4453 Financial Models 3 hrs
MAN 4720 Strategic Management 4 hrs
FIN Elective 3 hrs
MAR 3203 Supply Chain and Operations 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: $25 per term
- Full-Time Student: $50 per term

Forensic Science - Analysis Track (B.S.)

College of Sciences

Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/

Email: chemstaff@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

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.

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

B: Cultural & Historical Foundations (9 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (8 hrs)

Required BSC 2010C Biology I 4 hrs
Required PHY 2048C Physics for Engineers & Scientists I 4 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 4 hrs

Select one of the following courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312C Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 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
- CHM 2045C Chemistry Fundamentals I  

- or
- CHM 2040 Chemistry Fundamentals IA and
- CHM 2041 Chemistry Fundamentals IB

Basic Core: Additional Requirements: 18 hrs
- CHM 2210 Organic Chemistry I and
- CHM 2211 Organic Chemistry II and
- CHM 2211L Organic Laboratory Techniques I and
- CHM 3120 Analytical Chemistry and
- CHM 3120L Analytical Chemistry Laboratory and
- PCB 3063 Genetics and
- PCB 3233 Immunology

4. Core Requirements: Advanced Level (34 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 Analysis Track: 16 hrs
- CHM 3422 Applied Physical Chemistry 3 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHS 3511C Trace Evidence 4 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives: 12 hrs

Select from the following: 12 hrs
- Note: Substitutions require prior approval by the department.
- ANT 4521 Forensic Anthropology 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 4912 Directed Independent Research 3 hrs
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

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.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.
- 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

Honors 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
- Plan of Study
- 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.
UCF Degree Programs

Freshman Year - Summer 4 hrs
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.

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
STA 2023 Statistical Methods I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Spring 15 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.
PHY 2049C Physics for Scientists and Engineers II 4 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PCB 3233 Immunology 3 hrs
Restricted Elective 1 hr
GEP 3 hrs

Junior Year - Spring 13 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
PCB 3056 Genetics 3 hrs

Junior Year - Summer 7 hrs
1 CHS 4506C Forensic Investigation Technology 3 hrs
1 CHS 4515C Forensic Crime Scene Investigation 4 hrs
(1 or other restricted elective)

Senior Year - Fall 13 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
GEP 3 hrs
Restricted Elective 1 hr

Senior Year - Spring 14 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
GEP 3 hrs
GEP 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.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Forensic Science - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
Email: chemstaff@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

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.

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 4 hrs
or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
CHM 2046 Chemistry Fundamentals II 3 hrs
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (20 hrs)

- 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)
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 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 GEP

Select one of the following sequences of courses:
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
210 Undergraduate Catalog 2014-2015
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
STA 2023 Statistical Methods I and 3 hrs
GEP
PCB 3063 Genetics and 1 hr
PCB 3063L Genetics Laboratory and 3 hrs
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 3 hrs

B. Forensic Biochemistry Track: 27 hrs
BCH 4063 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
MSC 3403 Quantitative Biological Methods 4 hrs
CHS 4534C Forensic Biochemistry II 3 hrs
CHS 3533L Forensic Biochemistry I Laboratory 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs

5. Restricted Electives (3 hrs)
Any course approved by the Forensic Program advisor. 3 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
- 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 departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- 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

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
- 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

Freshman Year - Spring
- CHS 3501 Introduction to Forensic Science 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP

Freshman Year - Summer
- 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.

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP

Sophomore Year - Summer
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall
- CHS 3505C Forensic Microscopy 4 hrs
- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- GEP
- GEP

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Catalog 2014-2015
UCF Degree Programs

Junior Year - Spring
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
CHS 3533 Forensic Biochemistry I 2 hrs
CHS 3535L 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
CHS 4534C Forensic Biochemistry II 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
PCB 4524 Molecular Biology II 3 hrs
Restricted Elective 3 hrs

Senior Year - Summer
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.oeas.ucf.edu/acl/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,
Colburn Hall, Room: 523
http://mll.cah.ucf.edu/

Phone: 407-823-2472

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 3780, 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 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.
- 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
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics (3 hrs)

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) (14 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 1 FRE 1120C Elementary French Language and Civilization I
- 1 FRE 1121C Elementary French Language and Civilization II
- 1 FRE 2200 Intermediate French Language and Civilization I
- 1 FRE 2201 Intermediate French Language and Civilization II

*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:
- 1 FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs

Select 1:
- FRW 3101 Survey of French Literature II or FRW 3770 Francophone Literature 3 hrs

5. Restricted Electives (15 hrs)
- French literature beyond the survey level (taught in French)
- 6 hrs
- French courses
- 9 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirements.

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 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam
Sophomore Year - Spring 12 hrs
   Study Abroad 6 hrs

Junior Year - Fall 12 hrs
   FRW 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 3760 Advanced French Oral Communication 3 hrs
   FRE 4422 Advanced French Composition 3 hrs
   FRE 3768 French Phonetics and Diction 3 hrs
   Select 1: 3 hrs
   FRW 3101 Survey of French Literature II or 3 hrs
   FRW 3770 Francophone Literature 3 hrs
   Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
   FRE 3420 French Composition 3 hrs
   FRE 3440 Business French I 3 hrs
   Select 1: 3 hrs
   FRW 4552 Nineteenth Century French Literature or 3 hrs
   FRW 3370 Short Stories of 18th, 19th and 20th Centuries 3 hrs
   Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
   FRW 3740 The French Literature of Canada 3 hrs
   FRT 4552 Structural Analysis of Beckett’s Watt 3 hrs
   FRE 3441 Business French II 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

General Business (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration II, Room: 101
http://www.bus.ucf.edu/
Email: uss@bus.ucf.edu
Phone: 407-823-2184

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.
   See Common Program Prerequisites

Degree Requirements
   Students who change degree programs and select this major must adopt the most current catalog.
   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.
   Students wanting to major in General Business must apply for admission to the major.
   Final exams will be given during Exam Week.
   Any student receiving a business degree must complete one half (30) of the 60 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.
   Students must have at least a 2.0 GPA in the major and COB.
   Students majoring in General 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
   or ECO 2023 Principles of Microeconomics

   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   or MAC 1105C College Algebra

   C: Mathematical Foundations (6 hrs)
   Required MAR 3023  Marketing
   or STA 2023  Statistical Methods

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2023 Principles of Macroeconomics
   or ECO 2013 Principles of Microeconomics
   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology
   or PHY 2012 General Physics
   or SYG 2000 Introduction to Sociology

   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
      ACG 2071 Principles of Managerial Accounting
      CGS 2100C Computer Fundamentals for Business
      ECO 2013 Principles of Macroeconomics
      ECO 2023 Principles of Microeconomics

   Select one of the following sequences of courses:
      Students must receive a "C" (2.0) in both MAC 2233
      and STA 2023 to be waived from ECO 3401.
      ECO 3401 Quantitative Business Tools I
      or MAC 2233 Concepts of Calculus and
      STA 2023 Statistical Methods I

   3. Core Requirements: Basic Level
      None

   4. Core Requirements: Advanced Level (29 hrs)
      First or subsequent semester in the College of
      Business Administration
      1 GEB 3031 Cornerstone: Professional Skills for
         Business
      2 GEB 3031L Cornerstone Lab: Professional Skills for
         Business
      GEB 3003 Career Research & Planning
      GEB 3005 Career Search Strategy
      BUL 3130 Legal and Ethical Environment of Business
      ECO 3411 Quantitative Business Tools II
      FIN 3403C Business Finance
      GEB 3375 Introduction to International Business
      MAN 3025 Management of Organizations
      MAR 3023 Marketing
      MAR 3203 Supply Chain and Operations Management
      GEB 4223 Business Interviewing Techniques
      GEB 4004 Executing Your Career Plan

      1 Required in 1st or 2nd semester
      2 Must be taken with GEB 3031

   Second Level Core Requirements 12 hrs
      Students must take the following four (4) courses.
      ECP 4703 Managerial Economics
      FIN 3303 Financial Markets
      MAN 3301 Management of Human Resources
      MAR 3503 Consumer Behavior

   5. Restricted Electives (12 hrs)
      Restricted electives are to be taken from two different
      departments and from the courses listed below. At least two
      of the restricted electives must be at the 4000 level.
      Economics
      1 ECO 3223 Money and Banking
      1 ECP 3205 Labor Economics
      1 Any other 3000 or 4000 level ECO, ECP, or ECS course may be
         substituted as an Economics restricted elective. The substitution must
         be petitioned and have prior written approval

   Finance
      FIN 3414 Intermediate Corporate Finance
      FIN 3504 Investment Analysis

   Management
      GEB 3113 Creativity and Entrepreneurship
      MAN 4240 Organizations: Theory and Behavior
      MAN 4441 Conflict Resolution and Negotiation

   Marketing
      MAR 3403 Sales Force Management
      MAR 3613 Marketing Analysis and Research
      MAR 4158 International Marketing
      MAR 4841 Services Marketing

   6. Capstone Requirements (4 hrs)
      MAN 4720 Strategic Management
      Required 2 Must be taken with GEB 3031

   7. Foreign Language Requirements
   Admissions
      Students must take the following prerequisites:
      2 GEB 3031 Cornerstone: Professional Skills for
         Business
      2 GEB 3031L Cornerstone Lab: Professional Skills for
         Business
      MAN 3025 Management of Organizations
      MAR 3023 Marketing

   Graduation
      None

   8. Electives
      General electives as required to reach 120 semester
      hours.

   9. Additional Requirements
      Students desiring to complete the General Business
      major as a second major within the College of Business
      Administration must complete 24 hours in the second major
      beyond the courses required for the General Business
      major.
      Students in the General Business major must maintain
      a 2.0 or higher cumulative Grade Point Average in all 3000
      level or higher Business courses taken at UCF. Failure to
      maintain the required 2.0 Grade Point Average will result in
      the student being placed on lack of progress in the major.
      Lack of Progress in the major will continue until such time
      as the student’s cumulative GPA in all Business courses
      reaches 2.0 or higher. If a student on lack of progress in
      the major fails to achieve a 2.0 minimum GPA in Business
      courses in a subsequent term, that student will be dropped
      as a General Business major. A student who is dropped
      may seek readmittance as a General Business major by
      submitting a letter indicating the reasons for academic
      difficulties and positive plans for achieving a Business GPA
      of 2.0 or higher. Readmission is not automatic.

   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
UNIVERSITY OF CENTRAL FLORIDA  

UCF Degree Programs

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.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- 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.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Freshman Year - Fall 15 hrs
- ACG 2071 - Principles of Managerial Accounting 3 hrs
- ECO 2401 - Quantitative Business Tools I 3 hrs
- Historical Foundation I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ACG 2021 - Principles of Financial Accounting 3 hrs
- ENC 1102 - Composition II 3 hrs
- ECO 2023 - Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ACG 2071 - Principles of Managerial Accounting 3 hrs
- ECO 2401 - Quantitative Business Tools I 3 hrs
- Historical Foundation I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ACG 2071 - Principles of Managerial Accounting 3 hrs
- ECO 2401 - Quantitative Business Tools I 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 14 hrs
1. ACG 3031 - Cornerstone: Professional Skills for Business 3 hrs
2. GEB 3031L - Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3005 - Career Search Strategy 1 hr
- MAR 3130 - Legal and Ethical Environment of Business 3 hrs
- MAR 3503 - Consumer Behavior 3 hrs
- GEB Restricted Elective 3 hrs

Junior Year - Spring 16 hrs
- ECO 3411 - Quantitative Business Tools II 3 hrs
- GEB 3005 - Career Search Strategy 1 hr
- BUL 3130 - Legal and Ethical Environment of Business 3 hrs
- MAR 3503 - Consumer Behavior 3 hrs
- GEB Restricted Elective 3 hrs
- GEB Restricted Elective 3 hrs

Senior Year - Fall 16 hrs
- GEB 3375 - Introduction to International Business 3 hrs
- GEB 4223 - Business Interviewing Techniques 1 hr
- MAR 3203 - Supply Chain and Operations Management 3 hrs
- FIN 3363 - Financial Markets 3 hrs
- MAN 3001 - Management of Human Resources 3 hrs
- GEB Restricted Elective 3 hrs

Senior Year - Spring 14 hrs
- ECP 4703 - Managerial Economics 3 hrs
- MAN 4720 - Strategic Management 4 hrs
- GEB 4004 - Executing Your Career Plan 1 hr
- GEB Restricted Elective 3 hrs
- GEB 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: $15 per term
- Full-Time Student: $30 per term

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.
- Only 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.
UCF Degree Programs

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) (37 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 (7 hrs)

   Suggested Courses:
   - STA 2014C: Principles of Statistics
   - MAC 1105C: College Algebra
   - STA 2014C: Principles of Statistics

   Suggested Courses:
   - MAC 1105C: College Algebra
   - STA 2014C: Principles of Statistics

   Suggested Courses:
   - STA 2014C: Principles of Statistics

   Suggested Courses:
   - STA 2014C: Principles of Statistics

   Suggested Courses:
   - STA 2014C: Principles of Statistics

2. Common Program Prerequisites (CPP) (17 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   1 See Transfer Notes

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (66 hrs)

- HSC 3147: Introduction to Pharmacology
- HSA 4109: Principles of Managed Care
- HSA 4191: Health Care Automation
- HSA 4702: Health Sciences Research Methods
- HSC 3537: Medical Terminology
- HSC 4555: Pathophysiology I
- HSC 4558: Pathophysiology II
- HIM 3006: Foundations of Health Information Management
- HIM 3116C: Health Record Organization and Management
- HIM 3806C: Professional Practice Experience I
- HIM 4816C: Professional Practice Experience II
- HSC 426C: Coding Procedures I
- HSC 4296C: Coding Procedures II
- HIM 4676: Professional Development and Issues in Health Information Management
- HIM 4344C: Health Information Management
- HIM 4508C: Quality Management
- HIM 4589C: Health Information Management Systems
- HIM 4589C: Management Affiliation

Select 1:
- HSA 4180: Organization & Management for Health Agencies I or
- MAN 3025: Management of Organizations

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

Certificates

- None

Related Minors

- Health Services Administration
- Business
- Computer Science

Advising Notes

- None

Transfer Notes

- Florida College System Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2014C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101: Composition I
- CHM 1032: General Chemistry
- HSC 2000: Introduction to the Allied Health Professions
- HIM 3105C: College Algebra

14 hrs

Undergraduate Catalog 2014-2015
Select 1: 3 hrs
PSY 2012 General Psychology or 3 hrs
SYS 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 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

Select 1: 3 hrs
HUM 2210 Humanistic Tradition I or 3 hrs
AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1: 3 hrs
POS 2041 American National Government or 3 hrs
ECO 2013 Principles of Macroeconomics 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

Select 1: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring 13 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
PCH 3703C Human Physiology 4 hrs
SPC 1906 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
ARH 2050 History of Western Art I or 3 hrs
ARH 2051 History of Western Art II or 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2100 Introduction to Philosophy or 3 hrs
LIT 2110 World Literature I or 3 hrs
LIT 2120 World Literature II 3 hrs

Junior Year - Fall 15 hrs
1 HSA 4191 Health Care Automation 3 hrs
HIM 3006 Foundations of Health Information Management (HiM) 3 hrs
1 HSC 3537 Medical Terminology 3 hrs
HSC 4555 Pathophysiology I 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 4226C Coding Procedures I 5 hrs
HIM 3116C Health Record Organization and Management 4 hrs
HIM 3806C Professional Practice Experience I 3 hrs
HSC 4558 Pathophysiology II 3 hrs

Junior Year - Summer 6 hrs
HSA 4109 Principles of Managed Care 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs

Senior Year - Fall 13 hrs
HIM 4344C Health Information Department Management 4 hrs
HIM 4506C Quality Management 3 hrs
HIM 4256C Coding Procedures II 3 hrs
HIM 4686C 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

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.

Senior Year - Summer 5 hrs
HIM 4838 Management Affiliation 5 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: $15 per term
- Full-Time Student: $30 per term

Health Sciences - Pre-Clinical Track (B.S.)
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 118
http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml
Dr. Suha Saleh, pcmd@ucf.edu, 407-823-2747

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)
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
1 Required MAC 1105C College Algebra 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)
1 Required MAC 1105C College Algebra 3 hrs

D: Social Foundations (6 hrs)
Required PSY 2012 General Psychology 3 hrs
UCF Degree Programs

2. Common Program Prerequisites (CPP) (3 hrs)
- MAC 1114C College Trigonometry 3 hrs
- BSC 2010C Biology I 4 hrs
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods I 4 hrs

3. Core Requirements: Basic Level (20 hrs)
   - CHM 2046 Chemistry Fundamentals I 4 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046 Organic Chemistry Laboratory 1 hr
   - DEP 2004C Developmental Psychology 3 hrs
   - HUN 2211 Fundamentals of Human Nutrition 3 hrs
   - PHY 2053C College Physics I 4 hrs
   - PHY 2053C College Physics II 4 hrs

Select 1: 2 hrs
- 1 HSC 2000 Introduction to the Allied Health Professions or Professional Development in Health Professions 2 hrs
- HSC 4008 Health Sciences Research Methods 3 hrs

E: Science Foundations (8 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PHY 2053C College Physics I 4 hrs

4. Core Requirements: Advanced Level (25 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4572 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 3559 Disabilities in American Society 3 hrs
- HSC 3593 HIV Disease: A Human Concern 3 hrs
- HSC 3452 Occupational Safety for the Health Care 3 hrs
- HSC 4008 Professional Development in Health Professions 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- HSC 4572 Clinical Nutrition 3 hrs
- HSC 4730 Applied Health Research Methodology 3 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4503C Virology 3 hrs
- PCB 3063 Genetics 3 hrs
- PCB 3063 Genetics Laboratory 1 hr
- 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 3744 Neurobiology 3 hrs
- ZOO 4743C Clinical Neuroanatomy and Neuroscience 4 hrs
- ZOO 4753C 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.

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
Freshman Year - Fall 15 hrs
BSC 2010C Biology I 4 hrs
MAC 1105C College Algebra 3 hrs
ENC 1101 Composition I 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 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

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
REL 2300 World Religions or 3 hrs
THE 2000 Theatre Survey or 3 hrs
Phil 1010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 14 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004C Developmental Psychology 3 hrs
ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
AMH 2010 U.S. History: 1492-1877 or 3 hrs
HUM 2210 Humanistic Tradition I 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

Select 1: 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall 13 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

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

Senior Year - Fall 15 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.)
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/
Email: hsainfo@ucf.edu

Philip Wessel, MHA, Undergraduate Program Director,
hsainfo@ucf.edu, 407-823-5380
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.

Admission Requirements
• None
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 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 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

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)
     - Suggested MAC 1105C College Algebra
   - C: Mathematical Foundations (6 hrs)
     - Suggested ECO 2023 Principles of Microeconomics
   - D: Social Foundations (6 hrs)
     - Suggested ECO 2023 Principles of Microeconomics
   - Select 1: 3 hrs
     - Prefer PSY 2003 General Psychology
     - Prefer SYG 2000 Introduction to Sociology
   - E: Science Foundations (6 hrs)
     - Suggested STA 2023 Statistical Methods I
   - Select 1: 3 hrs
     - Prefer PSY 2003 General Psychology
     - Prefer SYG 2000 Introduction to Sociology

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.

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 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 Managed Care 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
   - HSA 4564 Health Care Needs of the Elderly 3 hrs
   - HSC 4652 Health Law and Ethics 3 hrs
   - HSA 4184 Organization & Management for Health Agencies II 3 hrs
   - HSA 4191 Health Care Automation 3 hrs
   - HSA 4850 Health Services Administration Internship 3 hrs

5. Restricted Electives
   - None

6. Capstone Requirements (3 hrs)
   - HSA 4939 Health Services Administration Capstone

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. Many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement fingerprinting, 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

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 14 hrs
- 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

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1: 3 hrs
- EEU 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I 3 hrs

Sophomore Year - Spring 12 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Elective / Minor 3 hrs

Select 1: 3 hrs
- EEU 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II 3 hrs

Sophomore Year - Summer 8 hrs
- Select 1: 3 hrs
  - Elective / Minor 3 hrs
  - 1 Foreign Language 4 hrs

Select 1: 3 hrs
- Elective / Minor 3 hrs
  - 1 Foreign Language 4 hrs

1 If not satisfied in high school

Junior Year - Fall 15 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
- Elective / Minor 3 hrs

Select a course from GEP C.2 list 3 hrs

Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 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)

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

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Dr. John Sacher, Chair
Phone: 407-823-2225

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) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Required AMH 2100 U.S. History: 1492-1877 3 hrs
   Required AMH 2100 U.S. History: 1877-Present 3 hrs
   Select one course from 1.B.1 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   Math:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 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)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - AMH 2010 U.S. History: 1492-1877 GEP
   - AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
   - Select one sequence
     EUH 2000 Western Civilization I and 3 hrs
     EUH 2001 Western Civilization II 3 hrs
   - or
     WOH 2012 World Civilization I and 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 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
   - 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 historical interest.
   - Electives
     - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
    - Submit a portfolio 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 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
- Humanities

Certificates
- None

Related Minors
- African - American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women's Studies
- American Studies
- Middle Eastern 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
1. AMH 2010 U.S. History: 1492-1877 3 hrs
   - may be substituted with:
2. AMH 2020 U.S. History: 1877-Present 3 hrs
   - may be substituted with:

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 15 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- GEP 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
- HIS 4150 History and Historians 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Undergraduate Catalog 2014-2015
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.
- 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
      Required STA 2023 Statistical Methods I 3 hrs
   D: Social Foundations (6 hrs)
      Select 1: 3 hrs
         Required ECO 2013 Principles of Microeconomics 3 hrs
      Required ECO 2023 Principles of Macroeconomics 3 hrs
   Select 1: 3 hrs
      Required PSY 2012 General Psychology or
      Required SYG 2000 Introduction to Sociology or
      Required ANT 2000 General Anthropology 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 (34 hrs)
   Hospitality Management Core 34 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 3440 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

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ufl.edu/alc/academic_learning_compacts.htm

Quantitative Tools

MAC 1105C College Algebra GEP

Select 1:

- CGS 2100C Computer Fundamentals for Business or
- STA 2023 Statistical Methods I GEP

Select 1:

- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (21 hrs)
   Select 5: 15 hrs
      HFT 2254 Lodging Operations 3 hrs

   Sectoral Core 15 hrs
      Select 5: 15 hrs
         HFT 3700 Tourism Management or 3 hrs
         HFT 2750 The Event Industry or 3 hrs
         HFT 3263 Restaurant 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 Yacht, Country, and City Club Management 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 (15 hrs)

- Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.

Restricted Electives 15 hrs

- Students must take 15 credit hours (five courses) from the following:

FSS 3088 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 Golf & Club Event Operations 3 hrs
HFT 3394 Golf and Club Enterprises 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 4468 Hospitality Industry Revenue Management 3 hrs
HFT 4473 Hospitality Development Analysis 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

Undergraduate Catalog 2014-2015

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

HFT 4966C 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 Golf & Club Event Operations or 3 hrs
HFT 3384 Golf and Club Enterprises Management or 3 hrs
HFT 4358 Golf & Club Facility Design 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 3 hrs
SYG 2000 Introduction to Sociology 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations II 3 hrs

Select 1: 3 hrs
CGS 1060C Introduction to Computers 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs
HFT 2750 The Event Industry or 3 hrs
HFT 2254 Lodging Operations 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
Science Foundations I 3 hrs
Free Elective 3 hrs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
HFT 2254 Lodging Operations or 3 hrs
HFT 2750 The Event Industry 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

Junior Year - Fall 16 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3340 Guest Services Management I 3 hrs
HFT 3803 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3940 Internship I 1 hr
Sectoral Studies 6 hrs

Junior Year - Spring 16 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 4941 Internship II 1 hr
Sectoral Studies 6 hrs
Hospitality Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

#### 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, james.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>HFT 4464</td>
<td>Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Internship III</td>
<td>1 hr</td>
</tr>
<tr>
<td>Hospitality Restricted Electives</td>
<td>6 hrs</td>
<td></td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Senior Year - Fall 16 hrs

- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs  
- Hospitality Restricted Electives 6 hrs  
- Free Electives 3 hrs

#### Senior Year - Spring 12 hrs

- HFT 249 Leadership and Strategic Management in Hospitality Industry 3 hrs  
- Hospitality Restricted Electives 6 hrs  
- Free Electives 3 hrs

#### 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](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

#### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

#### 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)

##### Speech

- SPC 1608 Fundamentals of Oral Communication or 3 hrs  
- SPC 1603C Fundamentals of Technical Presentations 3 hrs

##### Statistics:

- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

##### Computer Science:

- CGS 1060C Introduction to Computers or 3 hrs
- CGS 2100C Computer Fundamentals for Business or 3 hrs
- CGS 2585C Desktop/Internet Publishing or 3 hrs
- CGS 3175 Internet Applications 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 3 hrs

##### Take all of the following:

- COM 3120 Organizational Communication and Teamwork 3 hrs
- COM 3311 Communication Research Methods and Writing 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

#### 5. Restricted Electives (27 hrs)

##### Internal Restricted Electives: 21 hrs

- Select from the following list:
  - 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 3401 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 4426 Group Dynamics 3 hrs
  - SPC 4540 Persuasion and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

- COM 4941 Internship or 3 hrs
- COM 4906 Directed Independent Study or 3 hrs
- SPC X949 Coop or 3 hrs
- COM X949 Coop or 3 hrs

##### Select 1: 3 hrs

- ENC 3315 Argumentative Writing or 3 hrs
- ENC 3311 Essay as Cultural Commentary or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- ENC 3314 Writing in the University or 3 hrs
- ENC 3241 Writing for the Technical Professional or 3 hrs
- Other upper division COM or SPC courses with prior approval of department advisor.

#### 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.

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**UNIVERSITY OF CENTRAL FLORIDA**

225 Undergraduate Catalog 2014-2015
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
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- 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 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

Sophomore Year - Spring 15 hrs
- GEP (Consider a minor) 3 hrs
- GE (Consider a minor) 3 hrs

Junior Year - Fall 15 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3120 Organizational Communication 3 hrs
- Elective (Consider a minor) 3 hrs
- GE (Consider a minor) 3 hrs

Junior Year - Spring 15 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 - Fall 15 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.oears.ucf.edu/alc/academic_learning_compacts.htm

Humanities and Cultural Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

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)
B: Cultural & Historical Foundations (9 hrs)
- Suggested HUM 2210 Humanistic Tradition I 3 hrs
- Suggested HUM 2230 Humanistic Tradition II 3 hrs

Select 1: 3 hrs
- Suggested REL 2300 World Religions or 3 hrs
- Suggested PHI 2010 Introduction to Philosophy 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.

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)
- None

3. Core Requirements: Basic Level
- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP
- PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level (33 hrs)
Core Requirements
- HUM 2020 Encountering the Humanities 3 hrs

Humanities Foundations 6 hrs
- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3252 Contemporary Humanities or 3 hrs

Theories and Methods 12 hrs
- HUM 3905 Critical Theory in the Humanities or 3 hrs
- HUM 3906 Introduction to Digital Humanities or 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4823 Queer Theory in the Humanities or 3 hrs
- HUM 4826 Postcolonial Theory or 3 hrs

Cultural Traditions 6 hrs
- 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 6 hrs
- HUM 4931 Key Figures in the Humanities & Cultural Studies or 3 hrs
- HUM 4934 Key Concepts in Humanities & Cultural Studies or 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- HUM 4933 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
- Departmental Exit Exam in final semester. Exam may be part of HUM 4933: Humanities Senior Research Seminar
- 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:
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 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 humanities are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  a. Core Requirements, Humanities and Cultural Studies, and Capstone
   - 36 hrs
  b. Honors Thesis
   - 6 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: Philosophy, Religion & Popular Culture 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

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 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

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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

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.

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
   - Prefer 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 1: 3 hrs
     - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
     - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Select one class from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
   - Required PHY 2048C Physics for Engineers & Scientists 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. 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 Physics for Engineers & Scientists I GEP
   - 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
   - 2 CHS 1440 Principles of Chemistry or 4 hrs
   - 1 CHM 2045C Chemistry Fundamentals I 4 hrs

1 A 2.0 cumulative GPA or better is required for this course.
2 Preferred

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 1007C 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, 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 4628C Industrial Engineering Applications of Computers 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4384 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 4523C Systems Simulation 3 hrs
EIN 4517 Systems Engineering 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
1 COP 3223 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 1 hr
MAS 3105 Matrix and Linear Algebra 4 hrs
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

Select 1: 3 hrs
   - 1 EGN 3338 Thermo-Fluids-Heat Transfer or 3 hrs
   - 1 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.

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)
- EGN 4891C Industrial Engineering Senior Design 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 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.
- 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 - Summer
- COP 3223 Introduction to Programming with C 3 hrs

Select 1:
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1
- SPC 1603C Fundamentals of Technical Presentations 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- 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
- 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

Junior Year - Summer
- EIN 4243C Human Engineering 3 hrs
- EIN 4221 Empirical Methods for Industrial Engineering 3 hrs
- EGS 1006C and EGS 1007C 1 hr

Freshman Year - Fall
- 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
- 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 Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- EIN 4364 Facilities Planning 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4243C Industrial Engineering Senior Design Project 4 hrs

Sophomore Year - Spring
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs
- EIN 3373 Principles of Electrical Engineering 3 hrs

Junior Year - Fall
- ESI 4312 Operations Research 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EGS 1006C and EGS 1007C 1 hr

Junior Year - Spring
- EIN 4364 Facilities Planning 3 hrs
- EIN 4243C Human Engineering 3 hrs

Senior Year - Fall
- ESI 4312 Operations Research 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4243C Human Engineering 3 hrs

Senior Year - Spring
- EIN 4891C Industrial Engineering Senior Design 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

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term
**UCF Degree Programs**

**Information Technology (B.S.)**

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346**


**Email: undergraduate@eecs.ucf.edu**

Dr. Ali Orooji
Julie Farris
Phone: 407-823-3327

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**Admission Requirements**

- None

**Degree Requirements**

- "C" (2.0) or better is required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Department of EECS at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

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
   - Select 1: 3 hrs
     - Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

2. **Common Program Prerequisites (CPP) (15 hrs)**
   - A "C" (2.0) or better is required in all these courses.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - MAC 114C College Trigonometry 3 hrs
     - ECO 2013 Principles of Macroeconomics 3 hrs
     - Required PSY 2012 General Psychology 3 hrs
     - Required PHY 2053C College Physics I 4 hrs
     - Select one class from Science Foundations 3 hrs

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**

- CIS 4524 Managing IT Integration 3 hrs
- CNT 4714 Enterprise Computing 3 hrs
- CIS 4004 Web-Based Information Technology 3 hrs
- CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs
- COP 4910 Frontiers in Information Technology 3 hrs
- PHI 3626 Advanced Ethics in Science and Technology 3 hrs
- CJS 3763 Operating System Concepts 3 hrs
- CNT 4603 System Administration and Maintenance 3 hrs
- PHY 2054C College Physics II 4 hrs

**Support Courses**

- 6 hrs
  - A "C" (2.0) or better is required in all these courses.

**Select 1:** 3 hrs
  - ENC 4293 Documentation and the Collaborative Process or 3 hrs
  - ENC 4265 Writing for the Computer Industry or 3 hrs
  - ENC 4414 Writing and Hypertext or 3 hrs
  - ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

**Select 1:** 3 hrs
  - ENC 3241 Writing for the Technical Professional or 3 hrs
  - ENC 3211 Theory and Practice of Technical Writing or 3 hrs
  - ENC 3250 Professional Writing 3 hrs

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**

- 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**

- Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. **Additional Requirements**

- None

10. **Required Minors**

- None

11. **Departmental Exit Requirements**

- Complete an exit interview with an assigned faculty advisor

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
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

**Advising Notes**

- None
### Program Academic Learning Compacts

#### Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

[www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

#### Plan of Study

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>12 hrs</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1603C Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223 Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C College Algebra or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1140C Pre-Calculus Algebra</td>
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</tr>
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<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
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<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 114C College Trigonometry</td>
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<tr>
<td>COP 3502C Computer Science I</td>
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<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
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<tr>
<td>PSY 2012 General Psychology</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>16 hrs</th>
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<tbody>
<tr>
<td>MAD 2104 Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming</td>
<td>3 hrs</td>
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<tr>
<td>PHY 2053C College Physics I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CGS 2545C Database Concepts</td>
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</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
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<tbody>
<tr>
<td>CGS 3269 Computer Architecture Concepts</td>
<td>3 hrs</td>
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<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3003 Fundamentals of Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
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<thead>
<tr>
<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>CAP 4104 Human and Technology Interaction</td>
<td>3 hrs</td>
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<tr>
<td>PHY 2054C College Physics II</td>
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<tr>
<td>CNT 3004 Computer Network Concepts</td>
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<tr>
<td>CIS 3360 Security in Computing</td>
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</tr>
<tr>
<td>Select 1:</td>
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</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional or</td>
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</tr>
<tr>
<td>ENC 3211 Theory and Practice of Technical Writing or</td>
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</tr>
<tr>
<td>ENC 3250 Professional Writing</td>
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<table>
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<tbody>
<tr>
<td>CIS 4524 Managing IT Integration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3626 Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>CGS 3763 Operating System Concepts</td>
<td>3 hrs</td>
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<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<tr>
<td>ENC 4265 Writing for the Computer Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4293 Documenting and the Collaborative Process or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4414 Writing and Hypertext or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4415 Digital Rhetorics and The Modern Dialectic</td>
<td>3 hrs</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNT 4703C Design and Implementation of Computer Communication Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 4004 Web-Based Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4603 System Administration and Maintenance</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>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4910 Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714 Enterprise Computing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Equipment Fees

- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

### Interdisciplinary Studies (B.A. / B.S.)

**Office of Undergraduate Studies**
**Office of Interdisciplinary Studies,**
Classroom I, Room: 302
[http://www.is.ucf.edu](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 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/](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 for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship 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.

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** (6 hrs)
   - IDS 3933 Cornerstone Experience | 3 hrs
   - IDS 4934 Capstone Experience | 3 hrs

4. **Core Requirements: Advanced Level**
   - None
5. Restricted Electives (30 hrs)

- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation

- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: 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 an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements

- None

10. Required Minors

- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements

- A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency 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
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency and/or for use in the degree program by the Interdisciplinary Studies 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

Interdisciplinary Studies - Environmental Studies Track (B.S.)

Office 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 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.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in the major.
- Students must earn at least a “C” (2.0) grade in required course in the core and subject areas.
- Students must consult with an Interdisciplinary Studies adviser when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.
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)
   \[\text{Core for Environmental Studies:}\]
   \[\text{Physical/Mathematical Sciences}\]
   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105C College Algebra GEP
   PSC 1121 Physical Science 3 hrs
   STA 2023 Statistical Methods I GEP
   \[\text{Life Sciences}\]
   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
   \[\text{Social Science & Humanities}\]
   SYG 2000 Introduction to Sociology GEP
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)
   \[\text{Environmental Studies Fundamentals}\]
   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 3 hrs
   PUP 3203 Environmental Politics 3 hrs
   SYD 4510 Environment and Society 3 hrs
   \[\text{5. Restricted Electives} (18 hrs)\]
   \[\text{Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.}\]
   \[\text{Select eighteen hours in one concentration.}\]
   \[\text{Science Concentration}\]
   \[\text{Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.}\]
   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BOT 3802 Ethnobotany 3 hrs
   BOT 3802 Local Flora 3 hrs
   BOT 3802 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
   \[\text{Values, Planning, & Policy Concentration}\]
   \[\text{Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.}\]
   ANT 3541 Biobehavioral Anthropology 3 hrs
   BOT 3802 Ethnobotany 3 hrs

5. Restricted Electives (18 hrs)
   \[\text{Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.}\]
   \[\text{Select eighteen hours in one concentration.}\]
   \[\text{Science Concentration}\]
   \[\text{Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.}\]
   BCH 4053 Biochemistry I 3 hrs
   BCH 4054 Biochemistry II 3 hrs
   BOT 3802 Ethnobotany 3 hrs
   Bot 3802 Local Flora 3 hrs
   Bot 3802 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
   \[\text{Values, Planning, & Policy Concentration}\]
   \[\text{Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.}\]
   ANT 3541 Biobehavioral Anthropology 3 hrs
   BOT 3802 Ethnobotany 3 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   \[\text{Admissions}\]
   \[\text{Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation}\]
   \[\text{Graduation}\]
   \[\text{Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.}\]

8. Electives
   \[\text{Select primarily from upper level courses, with adviser approval}\]

9. Additional Requirements
   None

10. Required Minors
    None

11. Required Minors
    None

12. University Minimum Exit Requirements
    \[\text{A 2.0 UCF GPA}\]
    \[\text{60 semester hours earned after CLEP awarded}\]
    \[\text{48 semester hours of upper division credit completed}\]
    \[\text{30 of the last 39 hours of course work must be completed in residency at UCF.}\]
    \[\text{A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.}\]
    \[\text{Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.}\]

Total Semester Hours Required
120

Honors in Major
None

Related Programs
\[\text{Biology}\]
\[\text{Chemistry}\]
\[\text{Environmental Engineering}\]
\[\text{Political Science}\]
\[\text{Economics}\]

Certificates
None

Related Minors
All minors

Advising Notes
None

Transfer Notes
\[\text{Lower division courses do not substitute for upper division courses.}\]
\[\text{Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.}\]
Interdisciplinary Studies - Women’s Studies Track (B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room: 302
Program in Women’s Studies, Colbourn Hall, Room: 411
http://www.is.ucf.edu
Email: is@ucf.edu
Email: womenst@ucf.edu

Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

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 - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

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
   - None

5. Restricted Electives (36 hrs)
   - Students must complete the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
   - Students must complete one subject area from those specified in the Second Study Area below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color 18 hrs
   - Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area
   - WST 3460 Women, Race and Struggle 3 hrs

Select 5: 15 hrs
   - AML 3614 Topics in African-American Literature or 3 hrs
   - ASH 4304 Women in China or 3 hrs
   - AML 3682 Ethnic Literature in America or 3 hrs
   - Other courses approved by the Interdisciplinary Studies Advising Team

First Study Area - Women’s Studies Cognate 18 hrs
   - Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

Select 6: 18 hrs
   - Other courses may be utilized for this area with the permission of the director.

   Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women’s Studies Director, some courses may substitute.
   - AML 3614 Topics in African-American Literature or 3 hrs
   - AML 3682 Ethnic Literature in America or 3 hrs
   - AML 4261 Literature of the South or 3 hrs
   - ANT 3212 Peoples of the World or 3 hrs
   - CCJ 4129 Cultural Diversity in Criminal Justice or 3 hrs
   - CCJ 4681 Domestic Violence and the Justice System or 3 hrs
   - EUH 3242 Modern Europe and the First World War or 3 hrs
   - HSC 3593 HIV Disease: A Human Concern or 3 hrs
   - LIT 5556 Advanced Feminist Theories or 3 hrs
   - LIN 4643 Cross Cultural Communication or 3 hrs
   - PHI 3640 Environmental Ethics or 3 hrs
   - PHI 3670 Ethical Theory or 3 hrs
   - PHI 4300 Theories of Knowledge or 3 hrs
   - PUP 3314 Minorities in American Politics or 3 hrs
   - PUP 2772 Sexual Behavior or 3 hrs
   - SYO 3754 Psychology of Diversity or 3 hrs
   - SYD 3700 Race and Ethnicity or 3 hrs
   - SYD 4100 Family Trends or 3 hrs
   - SYO 3700 Religion in Society or 3 hrs
   - SYP 3630 Popular Culture In Society or 3 hrs
   - SYP 3650 Sports and Society or 3 hrs
   - SYP 4732 Minority Aging or 3 hrs
   - THE 4230 Cultural Diversity in Theater or 3 hrs

Second Study Area (from those below) 18 hrs
   - See the Interdisciplinary Studies Advising Teams for details regarding each area: Arts, Behavioral and Social Sciences, Commerce, Communication, Computational Sciences, Education, Engineering, Health, Humanities, Letters and Modern Languages, Life/Biomedical, Physical Sciences, Public Affairs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
   - Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- Note: Students entering without having met the admission requirement must do so in order to graduate.

8. Electives
- Select primarily from upper level courses, with Interdisciplinary Studies advisor's approval. May be outside of Women's Studies.

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 each of the subject areas.
- Computer Competency is met by departmental assessment, or the following courses:
  - CGS 1060C Introduction to Computers 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
- None

Related Programs
- Interdisciplinary Studies

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency and for use in the degree program by the Interdisciplinary Studies 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.oelas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oelas.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](http://politicalscience.cos.ucf.edu)

Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

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:
- 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:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 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]

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:
  - [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 Exam.

Statistics:
  - [3 hrs]

Prefer STA 2014C Principles of Statistics or 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
May substitute a more advanced STA course. 3 hrs

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
INR 2002 International Relations-Theor and Practice 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
IDS 4315 Global Perspectives 3 hrs
INR 4603 International Relations Theory 3 hrs
POS 3703 Scope and Methods of Political Science 3 hrs
5. Restricted Electives (18 hrs)
- Note: Students must meet all prerequisites before taking these classes.
- Other courses may be substituted with the chair’s 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 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 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 4843 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - INR 3250 Politics of Pan-Africanism 3 hrs

Functional 9 hrs
- Select from the following listing:
  - INR 3253 International Politics of Africa 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 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 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 4774 Military Space Policy 3 hrs
  - INR 4941 Internship 3 hrs
  - POS 3253 Contemporary Revolution and Political Violence 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
- Select from the following minors (18 hours min)
  - 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, Spanish, or Modern Language Combination.
- Note: The International Business Minor is only available to Business majors.
- Asian Studies
- Diplomacy
- Economics
- European Studies
- French
- Human Communication
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Spanish
- World Comparative Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 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 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
**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. 

**Sophomore Year - Fall**

- 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

**Sophomore Year - Spring**

- 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

**Junior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

**Junior Year - Spring**

- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

**Senior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Free Elective 2 hrs

**Senior Year - Spring**

- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

**Acceptable Substitutes for Transfer Courses**

- 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Journalism (B.A.)**

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

**Email:** journalism@ucf.edu

Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Nicholson Academic Student Services, nassc@ucf.edu

Phone: 407-823-2681

**Admission Requirements**

- 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 since students are admitted on a space available basis.
- Submit previously published journalistic work, if any.
- 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 newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- 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 be given academic internship credit.
- Students can enroll in a maximum of six 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.
- 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.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
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.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the 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)

A: Communication Foundations (9 hrs)

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
Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

4. Core Requirements: Advanced Level (6 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.

   JOU 4700 Journalism Ethics 3 hrs
   MMC 3200 Mass Communication Law 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1. (3 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 or 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Group 2: Select a course from group 2. (3 hrs)

Group 3: Select a third course from either group 1 or 2. (3 hrs)

C: Mathematical Foundations (6 hrs)

Statistics-Computers: (3 hrs)
Suggested CGS 1060C Introduction to Computers or 3 hrs
Suggested STA 2014C Principles of Statistics 3 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.

D: Social Foundations (6 hrs)

Group 1: (3 hrs)
Prefer POS 2041 American National Government 3 hrs

Group 2: Select a listed course 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.

Complete one of the following:

SPC 1608 Fundamentals of Oral Communication or 3 hrs
GEP
SPC 1603C Fundamentals of Technical Presentations 3 hrs

3. Core Requirements: Basic Level (12 hrs)
   - 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 3 hrs
GEP/CPP
SPC 1603C Fundamentals of Technical Presentations 3 hrs
GEP/CPP

Core: Additional requirements 12 hrs
   - 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 3004 History of American Journalism and 3 hrs

MMC 2004 Mass Media and 3 hrs
JOU 3015 Principles of Journalism 3 hrs

5. Restricted Electives (18 hrs)
   - These courses can only be completed after acceptance into the program.

Writing/Editing: Select from the following: (9 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 3313C Sports Reporting 3 hrs
JOU 4181 Public Affairs Reporting 3 hrs
JOU 4224 Magazine Editing and Production 3 hrs
JOU 4300 Feature Writing 3 hrs
JOU 4306C Critical Writing 3 hrs
JOU 4308 Freelance Writing 3 hrs
JOU 4941 Internship 3 hrs

Internships must be approved in advance by the Journalism Area Coordinator

Visual Journalism: Select from the following: (9 hrs)

JOU 3510 Magazine Publishing 3 hrs
JOU 4211C Informational Graphics 3 hrs
JOU 4213C Page Design 3 hrs
JOU 4340C Online Journalism I 3 hrs
JOU 4341C Online Journalism II 3 hrs
JOU 4342C Multimedia Journalism 3 hrs
PGY 3610C Photjournalism I 3 hrs
PGY 3620C Photjournalism II 3 hrs
PGY 3630 Photjournalism III 3 hrs
JOU 4941 Internship 3 hrs

Internships must be approved in advance by the Journalism Area Coordinator

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; 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 Nicholson School of Communication in order to not exceed the 40 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.

9. Additional Requirements
   - None

10. 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 must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

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.
- Achieve a "C" (2.0) or better average GPA in Nicholson School of Communication 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
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

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

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP-Stat or CS 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- MMC 2004 Mass Media 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP Elective-Minor 3 hrs

Sophomore Year - Spring
- Apply for admission by Feb 1
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP Elective-Minor 3 hrs

Junior Year - Fall
- If admitted, take...
- JOU 3004 History of American Journalism 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Junior Year - Spring
- JOU 3015 Principles of Journalism 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs

Senior Year - Fall
- Submit Journalism Portfolio
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-Minor 3 hrs
- Elective-take outside of NSC 3 hrs

Senior Year - Spring
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 3 hrs
- Elective-take outside of NSC 4 hrs
- Elective-take outside of NSC 3 hrs
- 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.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)

College of Arts and Humanities

Program in Latin American Studies,
Colbourn Hall, Room: 122
Dr. Consuelo Stebbins, Interim Director, stebbins@ucf.edu
Donna Mercado, Senior Admissions Specialist, 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.
UFC Degree Programs

- 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)
- Prefer COM 1000 Introduction to Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer ARH 2050 History of Western Art I 3 hrs
- Select 2 Courses From B.1 Based On Area Selections 6 hrs

C: Mathematical Foundations (6 hrs)
- Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Select 1:
- Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
- Prefer ANT 2511 The Human Species 3 hrs
- Select 1 course from E.1 3 hrs

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (3 hrs)
- LAS 3002 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)
- GEA 4405 Geography of Latin America 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3101 Latin American Popular Culture 3 hrs
- LAH 4023 African Caribbean Experience 3 hrs

5. Restricted Electives (21 hrs)
- Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis.
- Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
- 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.

Area One: 12 hrs

Anthropology
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Archaeology of Mexico 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 Cultural Ecology of Amazonia 3 hrs
- ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 3177 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 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4780 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature
- Students can choose from the extensive listing of upper level SPN and SPW courses. The student should give preference to those courses related to Latin American culture and civilization. No more than six (6) hours can overlap between the LAS major and the minor.

Area Two: 9 hrs
- (Select no more than 6 credit hours of courses with the same prefix)

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 3674 Latin American Popular Visual Culture 3 hrs
- ARH 4653 Meso American Art 3 hrs

English
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 3682 Ethnic Literature in America 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- LIT 3368 Magical Realism in Literature 3 hrs

Humanities
- HUM 3460 Latin American Humanities 3 hrs

International Relations
- INR 4243 International Politics of Latin America 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs

Latin American Studies
- See LAS Advisor for offerings.

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

Public Policy
- PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements
- Required Experiential Learning (capstone experience, 0 - 3 hrs):
- Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
  1. A formal study-abroad program on Latin America of at least 45 contact hours equaling three (3) hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three (3) hours of academic independent study, and/or Internship credit is available with Program Director’s prior approval.
  2. Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahua, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
- At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.

7. Foreign Language Requirements

Admissions
- Foreign Language Requirement: (0 - 14 hrs)
- LAS majors will have a proficiency equivalent to four 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.
### UCF Degree Programs

**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**
- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Latin American Studies. A second major can satisfy the minor requirement with prior consent of Program Director. 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**
- 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**
- Anthropology
- History
- Political Science
- Modern Language Combination
- Art - History Track
- Interdisciplinary Studies

**Certificates**
- None

**Related Minors**
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor.

**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
- ENC 1101 Composition I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- ANT 2000 General Anthropology 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

### Freshman Year - Summer
- Elective 3 hrs
- Elective 3 hrs

### Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- GEP Course in Cultural & Historical Foundations from B.1 3 hrs
- GEP Course in Science Foundation 3 hrs

### Sophomore Year - Spring
- ARH 2050 History of Western Art I 3 hrs
- GEP Course in Cultural & Historical Foundations from B.1 3 hrs
- GEP Course in Science Foundation 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs

### Sophomore Year - Summer
- LAS 3955 Study Abroad 1 hr
- Elective 3 hrs

### Junior Year - Fall
- GEA 4405 Geography of Latin America 3 hrs
- Two courses from first area of emphasis 6 hrs
- LAS 4023 African Caribbean Experience 3 hrs

### Junior Year - Spring
- LAH 3200 Modern Latin America 3 hrs
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

### Junior Year - Summer
- Elective 3 hrs
- Elective 3 hrs

### Senior Year - Fall
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- Course in Minor 3 hrs
- Course in Minor 3 hrs

### Senior Year - Spring
- One course from second area of emphasis 3 hrs
- LAS 4906 Directed Independent Study 1 hr
- Course in Minor 3 hrs
- Course in Minor 3 hrs

### Senior Year - Summer
- 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.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Legal Studies (B.A. / B.S.)**

**College of Health and Public Affairs**

**Department of Legal Studies,**

Health and Public Affairs, Room: 343


**Email:** [legalstudies@ucf.edu](mailto:legalstudies@ucf.edu)

Dr. David Slaughter
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 must complete a minimum of four face-to-face Legal Studies courses in order to be eligible for Florida Paralegal Certification.
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 should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

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)
   - None

   C: Mathematical Foundations (6 hrs)
   - None

   D: Social Foundations (6 hrs)
   - None

   E: Science Foundations (6 hrs)
   - None

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- None

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.

   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 4035 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.

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

- Criminal Justice
- History
- 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

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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<td>PAF 2102</td>
<td>Public Affairs Careers</td>
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<tr>
<td>SYG 2000</td>
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<tr>
<td>MCB 1310</td>
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UNIVERSITY OF CENTRAL FLORIDA
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

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- Free Elective 3 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or 3 hrs
  - POS 2041 American National Government or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring 15 hrs

Sophomore Year - Fall 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - CHM 1020 Concepts in Chemistry 3 hrs

Sophomore Year - Spring 16 hrs
- PLA 3014 Law and the Legal System 3 hrs
- Free Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Select 1: 3 hrs
  - EUH 2001 Western Civilization I or 3 hrs
  - HUM 2210 Humanistic Tradition I or 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - Foreign Language I or BS option 4 hrs

Junior Year - Spring 15 hrs
- PLA 3155 Legal Writing 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Select 1: 3 hrs
  - EUH 2001 Western Civilization II or 3 hrs
  - HUM 2230 Humanistic Tradition II or 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - Foreign Language II or BS option 4 hrs

Senior Year - Fall 15 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- PLA 4703 Professional Ethics and Liability 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 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 II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

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 institution.
- See Common Program Prerequisites

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one-half (30) of the 60 upper level business courses for each 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 must earn at least a 2.0 GPA in the major and COB.
- Students in the Management major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Management, Entrepreneurship, and Human Resources courses taken at UCF.
- Students must earn at least a 2.0 GPA in the major and COB.
- Students wanting to major in Management must apply towards the major.
- Students majoring in Management must earn a grade of “C” (2.0) or better in the following courses and each course applied towards the major.
  - MAN 3025 Management of Organizations 3 hrs
  - MAN 4720 Strategic Management 4 hrs
  - MAN 4722 Strategic Management 4 hrs
  - MAN 4723 Strategic Management 4 hrs

UCF Degree Programs

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
- Prefer MAC 1105C College Algebra 3 hrs

C: Mathematical Foundations (6 hrs)
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Required ANT 2000 General Anthropology or 3 hrs
  - Required PSY 2012 General Psychology or 3 hrs
  - Required SYG 2000 Introduction to Sociology 3 hrs
UCF Degree Programs

Required Courses 15 hrs

Human Resource Management Track 24 hrs

Required Courses 15 hrs

Entrepreneurship Track 24 hrs

Required Courses 15 hrs

Select 1: 3 hrs

Prefer ECO 2033 Principles of Macroeconomics or 3 hrs

Prefer ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

Must be completed with a “C” 2.0 or better

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

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 both 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

MAC 2233 Concepts of Calculus and 3 hrs

STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (29 hrs)

1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

GEF 3003 Career Research & Planning 1 hr

GEF 3005 Career Search Strategy 1 hr

BUL 3013 Legal and Ethical Environment of Business 3 hrs

ECO 3411 Quantitative Business Tools II 3 hrs

FIN 3403C Business Finance 3 hrs

GEF 3375 Introduction to International Business 3 hrs

MAN 3025 Management of Organizations 3 hrs

MAN 3023 Marketing 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

1 Required in 1st or 2nd semester

2 Required to be taken with GEB 3031

5. Restricted Electives (24 hrs)

Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs

Required Courses

MAN 3301 Management of Human Resources and Selection and 3 hrs

MAN 4240 Organizations: Theory and Behavior and 3 hrs

MAN 4320 Human Resources Recruitment and 3 hrs

MAN 4330 Compensation Administration and 3 hrs

MAN 4350 Training and Development 3 hrs

Restricted Elective Courses

BUL 4540 Employment Law or 3 hrs

GEB 3113 Creativity and Entrepreneurship or 3 hrs

GEB 4110 Business Plan Preparation or 3 hrs

GEB 4111 New Venture Finance or 3 hrs

GEB 4435 Moral Foundations of Business or 3 hrs

Any MAN Course 3 hrs

General Management Track 24 hrs

Required Courses

MAN 3301 Management of Human Resources and Selection and 3 hrs

MAN 3520 Quality & Productivity Management and 3 hrs

MAN 4240 Organizations: Theory and Behavior and 3 hrs

MAN 4441 Conflict Resolution and Negotiation and 3 hrs

MAN 4701 Business Ethics and Society 3 hrs

Restricted Elective Courses

BUL 4540 Employment Law or 3 hrs

GEB 3113 Creativity and Entrepreneurship or 3 hrs

GEB 4110 Business Plan Preparation or 3 hrs

GEB 4111 New Venture Finance or 3 hrs

GEB 4435 Moral Foundations of Business or 3 hrs

Any MAN Course 3 hrs

Entrepreneurship Track 24 hrs

Required Courses

GEB 3113 Creativity and Entrepreneurship and 3 hrs

GEB 4110 Business Plan Preparation and 3 hrs

GEB 4111 New Venture Finance and 3 hrs

MAN 4802 New Venture and Small Business 3 hrs

MAN 3765 Entrepreneurial Marketing 3 hrs

Restricted Elective Courses

BUL 4540 Employment Law or 3 hrs

GEB 4435 Moral Foundations of Business or 3 hrs

Any MAN course 3 hrs

6. Capstone Requirements (4 hrs)

MAN 4720 Strategic Management 4 hrs

This course is taken in the graduating term and requires the following prerequisites:

FIN 3403C Business Finance 3 hrs

1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

MAN 3025 Management of Organizations 3 hrs

MAR 3023 Marketing 3 hrs

1 Required in 1st or 2nd semester

2 Must be taken with GEB 3031

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

Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).

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

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, at least two semesters remaining prior to graduation.

Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and the Management Department Chair.

Requirements: Students accepted into 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, at least two semesters remaining prior to graduation.

Honors in Major Credit Requirements

6 hrs

Required Honors Reading Course

3 hrs

MAN 4903H Honors Directed Reading I or 3 hrs

MAN 4904H Honors Directed Reading II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

244 Undergraduate Catalog 2014-2015
Required Honors Thesis 3 hrs
MAN 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.

Acceptable Substitutes for Transfer Courses
- ACG X001 may be substituted with: ACG X001
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- 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.
- 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.
- Each common program prerequisites class.
- Any student receiving a business degree must complete one half (30) of the 60 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.

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
CQS 2100C Computer Fundamentals for Business 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 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

Human Resource Management Track

Junior Year - Fall 16 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3375 Introduction to International Business 3 hrs
MAN 3025 Management of Organizations 3 hrs
GEB 3003 Career Research & Planning 1 hr

Senior Year - Fall 16 hrs
MAN 3301 Management of Human Resources 3 hrs
MAN 4240 Organizations: Theory and Behavior 3 hrs
FIN 3403C Business Finance 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 3 hrs

Entrepreneurship Track

Junior Year - Fall 14 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3003 Career Research & Planning 1 hr
MAN 3025 Management of Organizations 3 hrs
FIN 3403C Business Finance 3 hrs
MAR 3023 Marketing 3 hrs

Senior Year - Spring 16 hrs
MAN 4802 New Venture and Small Business Management 3 hrs
GEB 3113 Creativity and Entrepreneurship 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 3 hrs

General Management Track

Junior Year - Fall 14 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3003 Career Research & Planning 1 hr
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs

Senior Year - Spring 16 hrs
MAN 4320 Human Resources Recruitment and Selection 3 hrs
MAN 3501 Training and Development 3 hrs
GEB 3411 Quantitative Business Tools II 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
GEB 4111 New Venture Finance 1 hr
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 3 hrs

Senior Year - Fall 16 hrs
GEB 4110 Business Plan Preparation 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs
GEB 3375 Introduction to International Business 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
Elective 3 hrs

Senior Year - Spring 16 hrs
MAN 4802 New Venture and Small Business Management 3 hrs
GEB 3113 Creativity and Entrepreneurship 3 hrs
GEB 3411 Quantitative Business Tools II 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 4004 Executing Your Career Plan 1 hr
GEB 3003 Career Search Strategy 3 hrs
Elective 3 hrs

Senior Year - Spring 16 hrs
MAN 4802 New Venture and Small Business Management 3 hrs
GEB 3113 Creativity and Entrepreneurship 3 hrs
GEB 3411 Quantitative Business Tools II 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 4004 Executing Your Career Plan 1 hr
GEB 3003 Career Search Strategy 3 hrs
Elective 3 hrs

Senior Year - Fall 16 hrs
GEB 4110 Business Plan Preparation 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs
GEB 3375 Introduction to International Business 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
Elective 3 hrs

Senior Year - Spring 16 hrs
MAN 4802 New Venture and Small Business Management 3 hrs
GEB 3113 Creativity and Entrepreneurship 3 hrs
GEB 3411 Quantitative Business Tools II 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 4004 Executing Your Career Plan 1 hr
GEB 3003 Career Search Strategy 3 hrs
Elective 3 hrs
**UCF Degree Programs**

### Junior Year - Spring  
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<td>FIN 3403C</td>
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<td>GEB 3375</td>
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<td>GEB 3005</td>
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<td>MAN 4240</td>
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<td>Restricted</td>
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<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3</td>
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<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
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### Senior Year - Spring  
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<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
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<td>MAN 4720</td>
<td>Strategic Management</td>
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<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
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**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm

**Equipment Fees**  
- Part-Time Student: $15 per term  
- Full-Time Student: $30 per term

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**Marketing (B.S.B.A.)**

**College of Business Administration**  
**Department of Marketing,**  
**Business Administration II, Room: 101**  
http://www.bus.ucf.edu  
Phone: 407-823-2184

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.  
- See Common Program Prerequisites

**Degree Requirements**  
- Students who change degree programs and select this major must adopt the most current catalog.  
- 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, and all prerequisites to marketing courses.  
- Students wanting to major in Marketing must apply for admission to the major.  
- Any student receiving a business degree must complete one half (30) of the 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.  
- Students must earn at least a 2.0 GPA in the major and COB.  
- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Marketing and Supply Chain Management courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing and Supply Chain courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing and Supply Chain courses in a subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a GPA of 2.0 or higher. Readmission is not automatic.  
- Must complete all Gordon Rule requirements, prior to admission to this degree.  
- Final exams will be given during Exam Week  
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:  
  - MAR 3023 Marketing 3 hrs  
  - MAR 3203 Supply Chain and Operations Management 3 hrs

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 GBS 2100C Computer Fundamentals for Business

**C: Mathematical Foundations**  
(6 hrs)  
- MAC 2233 Concepts of Calculus 3 hrs

**D: Social Foundations**  
(6 hrs)  
Select 1: 3 hrs  
- Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics

Select 1: 3 hrs  
- Suggested PSY 2012 General Psychology or
  - Suggested ANT 2000 General Anthropology or
  - Suggested SYG 2000 Introduction to Sociology

**E: Science Foundations**  
(6 hrs)  
- MAC 2311 and MAC 2312

2. **Common Program Prerequisites (CPP)**  
(18 hrs)  
- Must be completed with a “C” (2.0) or better  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
- ACG 2021 Principles of Financial Accounting 3 hrs  
- ACG 2071 Principles of Managerial Accounting 3 hrs  
- ECO 2013 Principles of Macroeconomics 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 both MAC 2233 and STA 2023 with a “C” (2.0) or better can take ECO 3401.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3</td>
</tr>
</tbody>
</table>

or

1. **MAC 2233 Concepts of Calculus and**  
2. **STA 2023 Statistical Methods I**  
3. **MAC 2311 and MAC 2312**

3. **Core Requirements: Basic Level**  
- None

4. **Core Requirements: Advanced Level**  
(44 hrs)  
1. **GEB 3031** Cornerstone: Professional Skills for Business 3 hrs  
2. **GEB 3031L** Cornerstone Lab: Professional Skills for Business 1 hr

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3003</td>
<td>Career Research &amp; Planning</td>
<td>1</td>
</tr>
<tr>
<td>GEB 3005</td>
<td>Career Search Strategy</td>
<td>1</td>
</tr>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
<td>3</td>
</tr>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
<td>3</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
<td>3</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain and Operations Management</td>
<td>3</td>
</tr>
<tr>
<td>GEB 4223</td>
<td>Business Interviewing Techniques</td>
<td>1</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>Executing Your Career Plan</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Required in 1st or 2nd semester  
2. Required to be taken with GEB 3031
### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391  Professional Selling</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3503  Consumer Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MAR 3613  Marketing Analysis and Research</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4803  Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4804  Marketing Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

**General Marketing**
- Select a minimum of 3 courses from the following list of courses:
  - MAR 3323  Integrated Marketing Communication 3 hrs
  - MAR 3403  Sales Force Management 3 hrs
  - MAR 3641  Marketing Intelligence 3 hrs
  - MAR 3721  Digital Media Marketing 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 4841  Services Marketing 3 hrs
  - MAR 4934  Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941  Marketing Internship 3 hrs

**Professional Selling Track**
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 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 3403  Sales Force Management 3 hrs
- MAR 4415C  Advanced Professional Selling 3 hrs
- MAR 4413C  Strategic Issues in Sales-Lecture 3 hrs

### 6. Capstone Requirements (4 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720  Strategic Management</td>
<td>4</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
- (Variable)

### 9. Additional Requirements

- Students in the Marketing major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000-level or higher Marketing courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Marketing courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Marketing courses in the subsequent term, that student will be dropped as a Marketing major. A student who is dropped may seek readmission as a Marketing major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a Marketing GPA of 2.0 or higher. Readmission is not automatic.

### 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
- Available

### Related Programs
- None

### Certificates
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management
- Marketing: e-Marketing

### 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, can 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, and all prerequisites to marketing courses.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Must complete nine hours in a summer semester

### Freshman Year - Fall

<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>MAC 1105C  College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013  Principles of Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Cultural Foundation I
Elective
Freshman Year - Spring 15 hrs
ENC 1102 Composition II
ECO 2023 Principles of Microeconomics
CGS 2100C Computer Fundamentals for Business
Social Foundation
Elective
Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Financial Accounting
SPC 1608 Fundamentals of Oral Communication
Science
Historical Foundation I
Elective
Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting
ECO 3401 Quantitative Business Tools I
Science
Historical Foundation II
Elective
Junior Year - Fall 14 hrs
GEB 3031 Cornerstone: Professional Skills for Business
GEB 3031L Cornerstone Lab: Professional Skills for Business
GEB 3003 Career Research & Planning
MAR 3023 Marketing
ECO 3411 Quantitative Business Tools II
BUL 3130 Legal and Ethical Environment of Business
Senior Year - Fall 16 hrs
MAR 3391 Professional Selling
MAR 3503 Consumer Behavior
MAR 3613 Marketing Analysis and Research
MAN 3025 Management of Organizations
GEB 3005 Career Search Strategy
Elective
Senior Year - Spring 14 hrs
MAR 4804 Marketing Strategy
MAR 4413C Strategic Issues in Sales-Lecture
MAR 3203 Supply Chain and Operations Management
MAN 4720 Strategic Management
GEB 4004 Executing Your Career Plan
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
hhttp://www.oeas.ucf.edu/alc/academic_learning_comacts.htm
Equipment Fees
Part-Time Student: $15 per term
Full-Time Student: $30 per term
Mathematics (B.S.)
College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@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.
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
MAC 2312 Calculus with Analytic Geometry II
MAC 2313 Calculus with Analytic Geometry III
MAP 2302 Ordinary Differential Equations I
1. UCF General Education Program (GEP) (38 hrs)
   - 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.

A: Communication Foundations (9 hrs)
   - Required

B: Cultural & Historical Foundations (9 hrs)
   - Or

C: Mathematical Foundations (7 hrs)
   - Required
   - Select from the following: 4 hrs

D: Social Foundations (6 hrs)
   - Required
   - Or

1. Depending on concentration, select 3 hrs
   - Or

2. Select a listed course 3 hrs

E: Science Foundations (8 hrs)
   - Check track requirements before selecting.
   - Required
   - Suggested

2. Common Program Prerequisites (CPP) (15 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutions of certain courses.

   - Select from the following: 4 hrs

   - Or

   - or

3. Core Requirements: Basic Level (11 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

   - Basic Core: Additional requirements

   - and depending on concentration, select either

   - Can use for all Concentrations

   - or acceptable in Computational Concentration;

   Select one Science sequence 4 hrs

   - Selection depends on the concentration selected

   - Biology: 4 hrs
   - Satisfies the General, Economics, and Computational concentrations.
   - Required in Mathematical Biology Concentration
   - BSC 2010C Biology I and
   - BSC 2011C Biology II

   - Chemistry: 4 hrs
   - Satisfies the General, Economics, and Computational concentrations.
   - Required in Mathematical Biology Concentration
   - May substitute the two semester equivalent Chemistry courses for the first Chemistry course
   - CHM 2045C Chemistry Fundamentals I and
   - CHM 2046 Chemistry Fundamentals II and
   - CHM 2046L Chemistry Fundamentals Laboratory

   - Physics: 4 hrs
   - Satisfies the General, Economics, and Computational concentrations.
   - Required in Mathematical Biology and Engineering Concentrations
   - Required in Mathematical Biology and Engineering
   - Physics Concentration
   - PHY 2048C Physics for Engineers & Scientists I and
   - PHY 2049C Physics for Engineers & Scientists II

4. Core Requirements: Advanced Level (7 hrs)
   - Select any 4000 or 5000 level course with an MAA, MAD, MAS, prefix offered by the Department of Mathematics
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics

5. Restricted Electives
   - Students must select one of the following five concentrations.

   A. General Concentration 18 hrs
   - Select any 4000 or 5000 level courses offered by the Department of Mathematics
   - Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics
   - Any 4000 or 5000 level course with an MAA, MAD, or MTG prefix offered by the Department of Mathematics except MTG 4212

   B. Applied Mathematics Concentration 22 hrs
   - Take all of the following: 9 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs

   C. Mathematical Biology Concentration 22 hrs

   - Select 1: 3 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs
   - Select 1: 3 hrs

Note: 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.

UCF Degree Programs
## C. Pure Mathematics Concentration 21 hrs

### Take all of the following: 12 hrs
- MAA 4227 Advanced Calculus II and 3 hrs
- MAS 4302 Abstract Algebra II and 3 hrs
- MTG 4302 Introduction to Topology and 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs

### Select 3: 9 hrs
- MAD 4203 Introduction to Combinatorics or 3 hrs
- MAD 4301 Introduction to Graph Theory or 3 hrs
- MAP 4303 Ordinary Differential Equations II or 3 hrs
  - Select 1: 3 hrs
    - MAP 4171 Optimization or 3 hrs
    - MAP 4303 Ordinary Differential Equations II or 3 hrs
    - MAP 4341 Introduction to Partial Differential Equations or 3 hrs
    - MAP 4371 Numerical Methods for Differential Equations 3 hrs

## D. Mathematical Biology Concentration 33 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 5228</td>
<td>Analysis I or Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MTG 5256</td>
<td>Differential Geometry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4342</td>
<td>Partial Differential Equations II or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## E. Mathematical Economics Concentration 36 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Take all of the following: 21 hrs
- 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
- 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 MAP or MAT 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 Select from lecture courses listed in the restricted electives within the Biology and/or Biomedical Sciences programs. 9 hrs

### Select 3: 9 hrs
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4504 Public Economics or 3 hrs
- ECO 4713 International Macroeconomics or 3 hrs
- ECP 4303 Environmental and Natural Resource Economics or 3 hrs
- ECP 4403 Industrial Organization and Game Theory or 3 hrs
- STA 4322 Statistical Theory II 3 hrs

### Select 1: 3 hrs
- MAP 4113 Probability, Random Processes and Applications or 3 hrs
- MAP 4384 Numerical Methods for Computational Sciences or 4 hrs

## F. Computational Concentration 39 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Take all of the following: 18 hrs
- 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
- STA 2023 Statistical Methods I and 3 hrs
- STA 4321 Statistical Theory I and 3 hrs
- STA 4322 Statistical Theory II 3 hrs

### Select 1: 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs
- MAP 4384 Numerical Methods for Computational Sciences 4 hrs

## G. Engineering/Physics Concentration 42 hrs
Students are to have completed the following to satisfy the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I or 4 hrs</td>
<td></td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### Take all of the following: 18 hrs
- EGN 3321 Engineering Analysis-Dynamics and 3 hrs
- MAA 4402 Introduction to Complex Variables and 3 hrs
- MAP 4103 Mathematical Modeling I and 3 hrs
- PHY 3101 Physics for Engineers and Scientists III and 3 hrs
- MAP 4303 Ordinary Differential Equations II and 3 hrs
- MAP 4341 Introduction to Partial Differential Equations 3 hrs

### Select 1: 3 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis or 3 hrs
- MAP 4171 Optimization 3 hrs

### Select 1: 3 hrs
- MAA 4402 Introduction to Complex Variables or 3 hrs
- MAD 4203 Introduction to Combinatorics or 3 hrs
- MAD 4301 Introduction to Graph Theory 3 hrs

### Select 1: 3 hrs
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- PHY 3220 Mechanics I 3 hrs

### Select 1: 3 hrs
- EGN 3431 Thermodynamics or 3 hrs
- EGN 3538 Thermo-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs

## Notes:
1. Only if MAP 4113 taken as part of the core.
2. If MAP 4384 taken as part of the core.
Select at least 6 hours: 6 hrs
CES 4100C Structural Analysis I and Lab or 4 hrs
EAS 3101 Fundamentals of Aerodynamics or 3 hrs
EEL 3004C Electrical Networks or 3 hrs
EGM 3601 Solid Mechanics or 3 hrs
EGN 3331 Mechanics of Materials or 3 hrs
EIN 2002 Introduction to Industrial Engineering and Management Systems or 1 hr
EML 4220 Vibration Analysis or 3 hrs
EML 4312 Operations Research or 3 hrs
PHY 4604 Wave Mechanics I or 3 hrs
PHY 4605 Wave Mechanics II or 3 hrs

Select at least 6 hours: 6 hrs
CWR 3201 Engineering Fluid Mechanics or 3 hrs
EAS 4105 Flight Mechanics or 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures or 3 hrs
EAS 4400 Spacecraft Attitude Dynamics or 3 hrs
EAS 4505 Orbital Mechanics or 3 hrs
ECE 3342C Digital Systems or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EGN 3613 Engineering Economic Analysis or 2 hrs
EEL 3470 Electromagnetic Fields or 3 hrs
EEL 3552C Analog and Digital Communication or 4 hrs
EEM 3657 Linear Control Systems or 3 hrs
EEL 3801C Computer Organization or 3 hrs
EEL 4742C Embedded Systems or 4 hrs
EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
EEL 4832 Engineering Applications of Computer Methods or 3 hrs
EEL 4851C Engineering Data Structures or 4 hrs
EIN 4333 Production and Distribution Systems or 3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials or 3 hrs
EML 3262 Kinematics of Mechanisms or 3 hrs
EML 3701 Fluid Mechanics I or 3 hrs
EML 4142 Heat Transfer or 3 hrs
EML 4312C Feedback Control or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
ESI 4234 Quality Engineering or 3 hrs
ESI 4523C Systems Simulation or 3 hrs
PHY 3323 Electricity and Magnetism I or 3 hrs
PHY 4324 Electricity and Magnetism II or 3 hrs
STA 4321 Statistical Theory I or 3 hrs
STA 4322 Statistical Theory II or 3 hrs

Select 1: 3 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory or 3 hrs

1 Only if MAP 4113 taken as part of the core.

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.
- 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
- None

Related Programs
- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

Certificates
- Educational Studies

Related Minors
- Actuarial Science
- Bioengineering
- Biology
- 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.
UCF Degree Programs

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, 407-823-5430

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
- 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.

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
- Prefer PHI 2010 Introduction to Philosophy 3 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)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- Prefer ANT 2511 The Human Species 3 hrs
- Prefer BSC 1005 Biological Principles 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
2. Common Program Prerequisites (CPP) (17 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- 1 EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP

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 (6 hrs)
- Education Track requires 6 semester hours
- Lifelong Learning Track requires 9 semester hours
- Students should consult advisor regarding course options.

Education Track
- 1 EDF 2130 Child and Adolescent Development for Educators 3 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

Lifelong Learning Track
- MAC 2311C Calculus with Analytic Geometry I GE
- STA 2023 Statistical Methods I GE
- MAC 2312 Calculus with Analytic Geometry II GE
- MAC 2313 Calculus with Analytic Geometry III GE
- MAP 2302 Ordinary Differential Equations I 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 (57 hrs)
- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 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 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 2030C Digital Video Fundamentals 3 hrs
STA 4163 Statistical Methods II 3 hrs
EDG 4941 Directed Field Experience 1 hr
MAE 4360 Mathematics Instructional Analysis 4 hrs
MAE 3940 Internship 3 hrs

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 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: 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/clinicalexperiences/.
- 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 12 hrs

Internship II 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 12 hrs

Lifelong Learning Track Specialization 36 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.
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs
- MTH 3302 Logic and Proof in Mathematics 3 hrs
- MTH 4404 History of 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 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2106C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604C Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703C Principles of Behavior Modification 4 hrs
### UCF Degree Programs

**Freshman Year - Fall**  
13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</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>ANT 2511</td>
<td>The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SBC 1005</td>
<td>Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Freshman Year - Summer**  
10 hrs

<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>4 hrs</td>
</tr>
<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
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</tbody>
</table>

**Sophomore Year - Fall**  
15 hrs

<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>MAP 2302</td>
<td>Ordinary Differential Equations I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Education Track**  
3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHS 3302</td>
<td>Logic and Proof in Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**  
3 hrs

Choose a Lifelong Learning Specialization course

**Sophomore Year - Spring**  
16 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
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**Education Track**  
10 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3203</td>
<td>Introduction to Number Theory and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**  
7 hrs

Choose a Lifelong Learning Specialization course

**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>EDF 2270</td>
<td>Adult Development &amp; Learning</td>
<td>3 hrs</td>
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</table>

**Junior Year - Fall**  
13 hrs

<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>EDC 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>
</tbody>
</table>

**Education Track**  
4 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTG 4212</td>
<td>Modern Geometries</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**  
4 hrs

Choose a Lifelong Learning Specialization course

**Junior Year - Spring**  
12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</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>

**Education Track**  
3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4163</td>
<td>Statistical Methods II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**  
3 hrs

Choose a Lifelong Learning Specialization course

**Senior Year - Fall**  
13 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Education Track**  
10 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4360</td>
<td>Mathematics Instructional Analysis</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MHS 4404</td>
<td>History of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 3940</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Lifelong Learning Track**  
10 hrs

Choose a Lifelong Learning Specialization course

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**Notes:**

- Acceptable Substitutes for Transfer Courses
- Related Minors
- Certificates
- Advising Notes
- Transfer Notes
- Graduation
- Electives
- Additional Requirements
- Required Minors
- Departmental Exit Requirements
- Foreign Language Requirements
- Admissions
- Lifelong Learning Tracks

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**Total Semester Hours Required:**

- 120

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**Undergraduate Catalog 2014-2015**

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**UNIVERSITY OF CENTRAL FLORIDA**

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254  Undergraduate Catalog 2014-2015
Senior Year - Spring 12 hrs
MAE 4941 Internship 12 hrs

Education Track
MAE 4941 Internship 12 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.oeas.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
Email: mmaeugrad@ucf.edu
Dr. Kuo-Chi Lin, Kurt.Lin@ucf.edu, 407-823-0137
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-2416

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 after the withdrawal deadline in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements
■ None

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 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
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 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 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers I 4 hrs
Scientists I
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.
■ 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 Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists 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 2540 Chemistry Fundamentals IA and 3 hrs
CHM 2541 Chemistry Fundamentals IB 3 hrs

or- Second alternative
CHM 2545C 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.

EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

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 GEP
ELM 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

ELM 3303C Mechanical Engineering Measurements 3 hrs
EGM 3601 Solid Mechanics 3 hrs
ELM 3701 Fluid Mechanics I 3 hrs
ELM 4142 Heat Transfer 3 hrs
ELM 3217 Engineering Mechanics - Dynamics 3 hrs
ELM 4225 Introduction to Vibrations and Controls 3 hrs
ELM 3500 Design and Analysis of Machine Components 3 hrs

Select 2 of the Following: 6 hrs
ELM 3301 Thermodynamics of Mechanical Systems or 3 hrs
ELM 4143 Heat Transfer II or 3 hrs
ELM 4313 Intermediate System Dynamics and Controls or 3 hrs
ELM 4703 Fluid Mechanics II or 3 hrs
ELM 4504 Design & Analysis of Machine Components II 3 hrs

Select 1 of the Following: 3 hrs
ELM 4301C Mechanical Systems Lab or 3 hrs
ELM 4306C Energy Systems Lab 3 hrs

5. Restricted Electives
Approved Electives 18 hrs
■ Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved restricted technical electives and the terms when specific courses of this type are offered.
UCF Degree Programs

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/Doublle Major requirements listed under the college section of the catalog.

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 3990  Mechanical Career and Academic Faculty  0 hrs
  - Advising I
  - EML 4991  Mechanical Career and Academic Faculty  0 hrs
  - Advising II

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 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.

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
- 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:
- CHS 1440  Principles of Chemistry or 4 hrs
- CHM 2045C  Chemistry Fundamentals I or 4 hrs
- CHM 2041  Chemistry Fundamentals IA  3 hrs

1 Must take CHM 2041 to complete the sequence

Freshman Year - Spring
- 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  Physics for Engineers & Scientists I  4 hrs
- GEP  3 hrs

Freshman Year - Summer
- MAC 2313  Calculus with Analytic Geometry III  4 hrs
- GEP  3 hrs
- EGN 3365  Structure and Properties of Materials  3 hrs

Sophomore Year - Fall
- MAP 2302  Ordinary Differential Equations I  3 hrs
- EGN 3310  Engineering Analysis-Statistics  3 hrs
- STA 3032  Probability and Statistics for Engineers  3 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs

Sophomore Year - Spring
- EGN 3343  Thermodynamics  3 hrs
- EGM 3601  Solid Mechanics  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- EML 3217  Engineering Mechanics - Dynamics  3 hrs

Sophomore Year - Summer
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs

Junior Year - Fall
- 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 3990  Mechanical Career and Academic Faculty  0 hrs
- Advising I
- EML 3500  Design and Analysis of Machine Components  3 hrs

Junior Year - Spring
- 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
- Upper Division Elective  3 hrs
- Upper Division Elective  3 hrs
- EML 4501C  Engineering Design I  3 hrs
- EML 4991  Mechanical Career and Academic Faculty  0 hrs
- Advising II

Select 2
- EML 3012  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  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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 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

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. Richard Peppler, Interim Director
Dorilynn 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).

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 and Board of Clinical Lab Personnel trainee license are required.

Degree Requirements

5. Restricted Electives
- None

4. Core Requirements: Advanced Level (64 hrs)

1 See Transfer Notes

3. Core Requirements: Basic Level
- None

2. Common Program Prerequisites (CPP) (25 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

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 (8 hrs)

2. Common Program Prerequisites (CPP) (25 hrs)

Take all of the following: 4 hrs
- CHM 2045C Chemistry Fundamentals I and 3 hrs
- CHM 2046 Chemistry Fundamentals II and
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Take all of the following: 8 hrs
- 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 PCB 3703C Human Physiology 4 hrs

1 ZOO Human Anatomy 4 hrs

1 MCB General Microbiology 5 hrs

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 (8 hrs)

2. Common Program Prerequisites (CPP) (25 hrs)

Take all of the following: 4 hrs

1 See Transfer Notes

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (64 hrs)

1 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 4010 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 4532L Interpretive & Practical Hematology 4 hrs
- MLS 4833L Diagnostic Microbiology 4 hrs
- CGS 1060C Introduction to Computers 3 hrs
- BSC 3403C Energy Systems Lab 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
### UCF Degree Programs

**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 accepted candidates
- Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)</td>
<td>8 hrs</td>
</tr>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
</tbody>
</table>

*may be substituted with: MCB 2010C*

### Plan of Study

**Freshman Year - Fall**
- MAC 1105C College Algebra: 3 hrs
- CHM 2045C Chemistry Fundamentals I: 4 hrs
- GEP: 9 hrs

**Freshman Year - Spring**
- 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: 6 hrs

**Sophomore Year - Fall**
- CHM 2210: Organic Chemistry I: 3 hrs
- ZOO 3733C: Human Anatomy: 4 hrs
- GEP: 9 hrs

**Sophomore Year - Spring**
- CHM 2211: Organic Chemistry II: 3 hrs
- CHM 2211L: Organic Laboratory Techniques I: 2 hrs
- MCB 3020C General Microbiology: 5 hrs
- PCB 3703C: Human Physiology: 4 hrs
- GEP: 3 hrs

**Junior Year - Fall**
- MLS 3220C: 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**
- 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**
- MLS 4334: Hemostasis: 3 hrs
- MLS 4550: Clinical Immunohematology: 4 hrs

**Senior Year - Fall**
- MLS 4303L: Interpretive & Practical Clinical Chemistry: 4 hrs
- MLS 4331L: Interpretive & Practical Immunohematology: 4 hrs
- MLS 4332L: Interpretive & Practical Hematology: 4 hrs
- MLS 4333L: Diagnostic Microbiology: 4 hrs

**Senior Year - Spring**
- 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.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/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](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](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

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
Preferred 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
Select one course from B.1.1 list 3 hrs
Select one course from A.B.1 or A.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
Math
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 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)

1. 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

2. Core Requirements: Basic Level (6 hrs)
- 1 MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

3. Core Requirements: Advanced Level (3 hrs)
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP

4. Restricted Electives-Music (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 course 3 hrs

5. Restricted Electives-Non-Music (18 hrs)
- 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
- Electives 12 hrs
- 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

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
1 MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MVX 141X Performance I 2 hrs
GEP E.1. Science Foundation 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
MVK 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

1 (GEP A.1.)

Sophomore Year - Fall 16 hrs
1 SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 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
MVK 2121 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
MGF 1106 Finite Mathematics 3 hrs
MUN XXXX Ensemble 1 hr
GEP B.1. Cultural & Historical Foundation 3 hrs
Foreign Language Elementary Level II 4 hrs
UCF Degree Programs

Requirements.

To determine the appropriate level of class at UCF, all students must take a keyboard placement examination 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.

Audition Requirements

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.

Audition

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:

- 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.

1. UCF General Education Program (GEP) (36 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)

See “Common Prerequisites" in the Transfer and Transitions Services section for more information.

Junior Year - Fall

MUS 2360C Introduction to Music Technology 3 hrs
MUT 1121 Jazz Theory I 3 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
MUN 3713 Jazz Ensemble 1 hr
MVK 2122 Class Piano IV 1 hr

Junior Year - Spring

MUS 1010 Music Forum 0 hrs
MUS 2311 Music History and Literature I 3 hrs
GEP B.2. Cultural & Historical Foundation 3 hrs
MUT 3/4XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

MUS 3953 Recital Performance I 0 hrs
GEP D.2. Social Foundation 3 hrs
MUT 3/4XXX Music Restricted Elective 3 hrs
XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring

MUS 3953 Recital Performance I 0 hrs
MUS 4900 Music BA Capstone Project 3 hrs
GEP E.2. Science Foundation 3 hrs
MUS 4320 Music Business and Industry 3 hrs

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

Students must complete a faculty-approved Senior BM web portfolio.

Equipment Fees

Part-Time Student: $45 per term
Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)

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

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:

- 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.

1. UCF General Education Program (GEP) (36 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)

See “Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121 Jazz Theory I and Music History I 4 hrs
MUT 2126 Music Theory and Musicianship II 4 hrs
MUT 2127 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MUN 3713 Jazz Ensemble 1 hr
MVK 2112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr

1 Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum 0 hrs
MUL 2016 Evolution of Jazz 3 hrs

1 Eight semesters

4. Core Requirements: Advanced Level (54 hrs)

MUT 3170 Jazz Theory I 3 hrs
MUT 3171 Jazz Theory II 3 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 4320 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:

MUS 3211 Music History and Literature I or
MUS 3212 Music History and Literature II 3 hrs

1 Four semesters for total 12 hrs

UNIVERSITY OF CENTRAL FLORIDA
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 2 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 2 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 2 hrs
- MVW 4445 Saxophone IV 4 hrs
- Restricted Electives 5 hrs

**Jazz Piano**
- MJU 1010 Jazz Piano I 2 hrs
- MJV 2220 Jazz Piano II 2 hrs
- MVJ 3230 Jazz Piano III 3 hrs
- MVJ 4240 Jazz Piano IV 4 hrs
- MVK 1211 Secondary Piano 1 hr
- Restricted Electives 3 hrs

**Jazz Bass**
- MJU 1214 Jazz Bass I 2 hrs
- MJU 2224 Jazz Bass II 2 hrs
- MVJ 3233 Jazz Bass III 3 hrs
- MVJ 4244 Jazz Bass IV 4 hrs
- MVS 1214 Secondary Bass 1 hr
- Restricted Electives 3 hrs

**Jazz Drum Set**
- MVJ 1213 Jazz Drum Set I 2 hrs
- MVJ 2223 Jazz Drum Set II 2 hrs
- MVJ 3233 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, MUM, MUN, MUO, MUS, MUT, 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
### UCF Degree Programs

#### Freshman Year - Fall
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- MGF 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 - Fall
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3XXX Restricted Elective 3 hrs
- MUX 3XXX Restricted Elective 1 hr

#### Senior Year - Fall
- STS 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUX 2XXX Performance I 2 hrs
- MUT 1122 Music Theory and Musicianship I 4 hrs
- MUN 1112 Class Piano I 1 hr
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Social Foundation 3 hrs

#### Sophomore Year - Spring
- ENC 1101 Composition I 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVX 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MVX 1XXX Performance I 2 hrs
- MVX 1211 Secondary Performance 1 hr

#### Sophomore Year - Fall
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVX 1111 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUX 2360C Introduction to Music Technology 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MVX 1XXX Performance I 2 hrs

#### Sophomore Year - Spring
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN 3713 Jazz Ensemble 1 hr
- MVX 2212 Class Piano IV 1 hr
- MUT 3171 Jazz Theory II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs

#### Junior Year - Fall
- MUT 3923 Jazz Workshop 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 3XXX Performance III 3 hrs
- MUX 3XXX Restricted Electives 3 hrs
- MVX 1211 Secondary Performance 1 hr

#### Junior Year - Spring
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- MUX 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 3XXX Performance III 3 hrs
- Science Foundation 3 hrs

#### Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MVX 4XXX Performance IV 4 hrs
- GEP D.2 Social Foundation 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: $45 per term
- Full-Time Student: $90 per term

### 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](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 MUT 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.
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 1.B.1 list 3 hrs
   - Select one course from 1.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
   - 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) (32 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 Major Ensemble (four semesters) Piano 4 hrs
   - students take MUN 3453; guitar students take MUN 3483
   - MXM 141X Performance I (two semesters) 4 hrs
   - MVX 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs
   - MUC 1101C Composition I 2 hrs
   - MUC 2104C Composition II 2 hrs
   - MUS 1010 Music Forum 0 hrs
   - MUS 3104 Basic Conducting 2 hrs
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP 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) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)
   - Professional Sequence Requirements: 1 MUC 3105C Composition III 3 hrs
   - 2 MUC 4106C Composition IV 4 hrs
   - MUT 4401 Counterpoint 3 hrs
   - MUT 4311 Orchestration 3 hrs
   - MUC 4960 Composition Recital 0 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)

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<thead>
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<th>Plan of Study</th>
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<tr>
<td><strong>Freshman Year - Fall</strong></td>
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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>MUS 1121 Music Theory and Musicianship I</td>
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<tr>
<td>MVK 1111 Class Piano I</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
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<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<td>MVX 141X Performance I</td>
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<td>SPC 1608 Fundamentals of Oral Communication</td>
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<td>MUC 1101C Composition I</td>
<td>2 hrs</td>
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<td>MUG 3104 Basic Conducting</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<td>MVX 242X Performance II</td>
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<tr>
<td>MUS 2127 Music Theory and Musicianship IV</td>
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<td>MUC 2104C Composition II</td>
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<tr>
<td>1 MGF 1106 Finite Mathematics</td>
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<tr>
<td>Cultural/Historical Foundation</td>
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<tr>
<td>MVX 242X Performance II</td>
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1 (GEP C.1.)

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<td>MUS 4571 Analysis of Twentieth-Century Music</td>
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<td>3 hrs</td>
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<td>MUS 1010 Music Forum</td>
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<td>MVX 3/4XXX Restricted Electives</td>
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<tr>
<td>Cultural/Historical Foundation</td>
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2 GEP

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<th><strong>Junior Year - Spring</strong></th>
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<tr>
<td>1 STA 1063C Basic Statistics Using Microsoft Excel</td>
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<tr>
<td>2 MUH 3212 Music History and Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 4571 Orchestration</td>
<td>3 hrs</td>
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<tr>
<td>MUC 3105C Composition III</td>
<td>3 hrs</td>
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<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 3/4XXX Restricted Elective</td>
<td>3 hrs</td>
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</table>

1 (GEP C.2.)
2 GEP

### Senior Year - Fall
- 13 hrs
- MUC 4106C Composition IV | 4 hrs |
- MUS 1010 Music Forum | 0 hrs |
- Social Foundation | 3 hrs |
- Science Foundation | 3 hrs |
- MVX 3/4XXX Restricted Electives | 3 hrs |

### Senior Year - Spring
- 13 hrs
- MUC 4106C Composition IV | 4 hrs |
- MUS 1010 Music Forum | 0 hrs |
- Social Foundation | 3 hrs |
- MVX 3/4XXX Restricted Electives | 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

## Music - Music Performance Track (B.M.)

### College of Arts and Humanities
- Department of Music,
- Performing Arts Center, Room: M203
- Email: musicaud@ucf.edu

### 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.

#### 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.
  - Students who change degree programs and select this major must adopt the most current catalog.

#### 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.cah.ucf.edu/students](http://music.cah.ucf.edu/students) 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.
1. UCF General Education Program (GEP) (36 hrs)
   - Communication Foundations (9 hrs)
     Prefer SPC 1608 Fundamentals of Oral Communication
     Information
   - UCF General Education Program (GEP) (36 hrs)
     Math 3 hrs
   - Cultural & Historical Foundations (9 hrs)
     Take all of the following: 6 hrs
   - Mathematical Foundations (6 hrs)
     Select one course from 1.B.1 list 3 hrs
     Select one course from 1.B.2 list 3 hrs
     Required
     - MUF 1101 Music History and Literature I 3 hrs
     - MUF 3211 Music History and Literature II 4 hrs
   - Core Requirements: Basic Level (6 hrs)
     - MUL 2014 Introduction to Music History and Literature 3 hrs
     - MUS 2360C Introduction to Music Technology 3 hrs
     - MUS 1010 Music Forum 3 hrs
   - Core Requirements: Advanced Level (24 hrs)
     - MUS 3953 Recital Performance I 0 hrs
     - MUS 4954 Recital Performance II 0 hrs
     - MUG 3104 Basic Conducting 2 hrs
     - MUF 3211 Music History and Literature I 3 hrs
     - MUF 3212 Music History and Literature II GEP
     - MVX 343X Performance III (2 Semesters) 6 hrs
     - MVX 444X Performance IV (2 Semesters) 8 hrs
     - MUN XXXX Major Ensembles (four semesters) Piano 4 hrs
     - MVX 141X Performance I (2 semesters) 4 hrs
     - MVX 242X Performance II (2 semesters) 4 hrs
   - Core Requirements: Advanced Level (22 hrs)
   - Special Non-Course Requirements:
     - MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, 0-15 hrs
     - Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.
   - 5. Restricted Electives
     - None
   - 6. Capstone Requirements
     - None
   - 7. Foreign Language Requirements
     - None

2. Common Program Prerequisites (CPP) (32 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 Major Ensemble (four semesters) Piano 4 hrs
     Students take MUN 3453; guitar students take MUN 3484
     MVX 141X Performance I (2 semesters) 4 hrs
     MVX 242X Performance II (2 semesters) 4 hrs
   - 3. Core Requirements: Basic Level (6 hrs)
     - MUL 2014 Introduction to Music History and Literature 3 hrs
     - MUS 2360C Introduction to Music Technology 3 hrs
     - MUS 1010 Music Forum 0 hrs
   - 4. Core Requirements: Advanced Level (24 hrs)
     - MUS 3953 Recital Performance I 0 hrs
     - MUS 4954 Recital Performance II 0 hrs
     - MUG 3104 Basic Conducting 2 hrs
     - MUF 3211 Music History and Literature I 3 hrs
     - MUF 3212 Music History and Literature II GEP
     - MVX 343X Performance III (2 Semesters) 6 hrs
     - MVX 444X Performance IV (2 Semesters) 8 hrs
     - MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484)
       Choose one MUT 3XXX or MUX 4XXX course 3 hrs
   - Specialty Requirements (Choose One): 22 hrs
     - Piano
       - MUL 3400 Piano Literature I and 2 hrs
       - MUL 3401 Piano Literature II and 2 hrs
       - MVK 4640 Piano Pedagogy I and 2 hrs
       - MUN 3453 Piano Ensemble and 1 hr
       - MUN 3453 Piano Ensemble and 1 hr
       - Restricted Electives and 9 hrs
       - Electives 5 hrs
     - Guitar
       - MUL 4437 String Literature and Pedagogy and 3 hrs
       - MUN 3487 Guitar Ensemble and 1 hr
       - MUN 3487 Guitar Ensemble and 1 hr
       - Restricted Electives and 12 hrs
       - Electives 5 hrs
   - Voice
     - MUS 1250 IPA for Singers and 1 hr
     - MUS 3255 German and English Lyric Diction and 2 hrs
     - MUS 3254 Italian and French Lyric Diction and 2 hrs
     - MVV 4640 Voice Pedagogy and 2 hrs
     - MUL 3602 Song Literature and 3 hrs
     - MUN XXXX Major Ensembles and 2 hrs
     - MUN XXXX Minor Ensembles and 2 hrs
     - Foreign Language (French, German, or Italian) 8 hrs
   - Woodwinds
     - MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
     - MUN XXXX Major Ensembles and 2 hrs
     - MUN XXXX Minor Ensembles and 4 hrs
     - Restricted Electives and 8 hrs
     - Electives 5 hrs
   - Brass
     - MUL 4443 Brass Literature and Pedagogy and 3 hrs
     - MUN XXXX Major Ensembles and 2 hrs
     - MUN XXXX Minor Ensembles and 4 hrs
     - Restricted Electives and 7 hrs
     - Electives 5 hrs
   - Percussion
     - MUL 3463 Percussion Literature and 2 hrs
     - MVP 3630 Percussion Pedagogy and 2 hrs
     - MUN XXXX Major Ensembles and 2 hrs
     - MUN XXXX Minor Ensembles and 4 hrs
     - Restricted Electives and 7 hrs
     - Electives 5 hrs
   - Strings
     - MUL 4437 String Literature and Pedagogy and 3 hrs
     - MUN XXXX Major Ensembles and 2 hrs
     - MUN XXXX Minor Ensembles and 4 hrs
     - Restricted Electives and 8 hrs
     - Electives 5 hrs
   - 5. Restricted Electives
     - None
   - 6. Capstone Requirements
     - None
   - 7. Foreign Language Requirements
     - None

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.

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

265 Undergraduate Catalog 2014-2015
### UCF Degree Programs

#### 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

### Honors In Major

- None

### Related Programs

- Music Education
- Music
- Theatre - Musical Theatre Track

### Certificates

- None

### Related Minors

- Music
- Theatre
- Digital Media

### 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

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<th>Hours</th>
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<td>MKV 1111 Class Piano I</td>
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<td>0 hrs</td>
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<td>MUL 2014 Introduction to Music History and Literature</td>
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<td>MUN XXXX Major Ensemble</td>
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#### Freshman Year - Spring

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<td>MKV 1112 Class Piano II</td>
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<td>MUS 1010 Music Forum</td>
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<td>MUS 2360C Introduction to Music Technology</td>
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<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<td>MVX 141X Performance I</td>
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#### Sophomore Year - Fall

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#### Program B: Percussion

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**Undergraduate Catalog 2014-2015**

UNIVERSITY OF CENTRAL FLORIDA
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### UCF Degree Programs

#### Junior Year - Fall
- MUS 3436: Guitar III 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUN 3487: Guitar Ensemble 1 hr
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs
- MVS 4346: Guitar IV 4 hrs

#### Cultural & Historical Foundation
- 3 hrs

#### MUX 3/4XXX Restricted Electives
- 3 hrs

#### Junior Year - Spring
- MUS 3436: Guitar III 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUS 3953: Recital Performance I 0 hrs
- MVS 4346: Guitar IV 4 hrs

#### MUX 3/4XXX Restricted Electives
- 3 hrs

#### Sophomore Year - Fall
- MUS 3436: Guitar III 2 hrs
- MUS 3487: Guitar Ensemble 1 hr

#### MUX 3/4XXX Restricted Electives
- 3 hrs

#### Sophomore Year - Spring
- MUS 4571: Analysis of Twentieth-Century Music 3 hrs
- MVS 3953: Recital Performance I 0 hrs
- MUS 3487: Guitar Ensemble 1 hr

#### MUS 3953: Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

#### Freshman Year - Fall
- MUS 1010: Music Forum 0 hrs
- MUN 3487: Guitar Ensemble 1 hr

#### Social Foundation
- 3 hrs

#### MUX 3/4XXX Restricted Electives
- 3 hrs

#### Freshman Year - Spring
- ENC 1102: Composition II 3 hrs
- MUN 1010: Music Forum 0 hrs
- MUL 2014: Introduction to Music History and Literature 3 hrs
- MVV 1411: Voice I 2 hrs
- MUN XXXX Major Ensemble 1 hr

#### Sophomore Year - Fall
- MGF 1106: Finite Mathematics 3 hrs
- MUS 3254: Italian and French Lyric Diction 2 hrs
- MVK 1112: Class Piano II 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 3104: Basic Conducting 2 hrs
- MVV 2421: Voice II 2 hrs
- MUN XXXX Major Ensemble 1 hr

#### Sophomore Year - Spring
- MUT 2127: Music Theory and Musicanship IV 4 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- MVK 1112: Class Piano II 1 hr
- MUS 1010: Music Forum 0 hrs
- STA 1063C: Basic Statistics Using Microsoft Excel 3 hrs

#### MVV 2421: Voice II 2 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

#### Junior Year - Fall
- MUS 3211: Music History and Literature I 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs

#### MUS 4954: Recital Performance II 0 hrs
- MUN XXXX Minor Ensemble 1 hr

#### Program E: Voice
- MVV 1411: Voice I 2 hrs
- MUS 1010: Music Forum 0 hrs
- MVV 2421: Voice II 2 hrs
- MUS 3255: Italian and French Lyric Diction 2 hrs
- MVK 1112: Class Piano II 1 hr
- MUS 1010: Music Forum 0 hrs
- MUL 2014: Introduction to Music History and Literature 3 hrs

#### MUS 4954: Recital Performance II 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Social Foundation 3 hrs

#### Senior Year - Spring
- MUT 4571: Analysis of Twentieth-Century Music 3 hrs
- MUS 4954: Recital Performance II 0 hrs

#### MVV 2421: Voice II 2 hrs
- MUS 1010: Music Forum 0 hrs
- MVV 4441: Voice IV 4 hrs

#### MUS 3254: Italian and French Lyric Diction 2 hrs
- MVV 4441: Voice IV 4 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr

#### MVV 4640: Voice Pedagogy 2 hrs
- MUS 4954: Recital Performance II 0 hrs

#### MUH 3211: Music History and Literature I 3 hrs
- MUS 3953: Recital Performance I 0 hrs
- MUS 3254: Italian and French Lyric Diction 2 hrs

#### MUS 3953: Recital Performance I 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor 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/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Full-Time Student: $90 per term
- 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


**Email:** musicaud@ucf.edu

Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

### Admission Requirements

#### Admission Requirements - Music Education

- **Audition:** To be accepted into 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.

Notes:

1. Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
2. Students who change degree programs and select this major must adopt the most current catalog.
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

None

1. UCF General Education Program (GEP) (36 hrs)
- (See General Education Program for detailed information)

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication

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 2212 Music History and Literature II 3 hrs
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (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.

Statistics - Computers 3 hrs
- Select a course from GEP C.2 list 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 (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 2005 Introduction to the Teaching Profession 3 hrs
EME 2040 Introduction to Technology for Educators 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) CPP

3. Core Requirements: Basic Level (5 hrs)
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXXX Major Ensembles (2 semesters) 2 hrs

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 GEP
- MUE 3942 Music Internship I 3 hrs

Music Education Prerequisites- Advanced 17 hrs
- MUG 3104 Basic Conducting and 2 hrs
- MUH 3211 Music History and Literature I and 3 hrs
- MUH 3212 Music History and Literature II and GEP
- MUE 3942 Music Internship I and 3 hrs
- MUE 4311 Elementary School Music Methods and 2 hrs
- MUE 3333 Music Learning Theory and Assessment 3 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 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools and 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 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: MUE 4337 Secondary Instrumental Methods II or 3 hrs
- MUE 4441 String Methods 3 hrs

Select 5: 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 String Techniques 1 hr
Program B - Choral

MUS 1250 IPA for Singers 1 hr
MUG 3202 Choral Conducting and Materials 2 hrs
MVV 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 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 1 hr

Program C - Elementary School

MUE 2346 Vocal Techniques 1 hr
MUE 4393 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

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
MUE 2470 Percussion Techniques or 1 hr
MUE 2471 Percussion Techniques II or 1 hr
MUE 2440 String Techniques 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), Seminar in Music Teaching (MUE 4394) and Internship II (ESE 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. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. 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 (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership

- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

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:
  - MUS 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

### 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 (in addition to EDF 2085) that have an international or 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

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### Plan of Study
- Take General Knowledge Test after spring semester of Freshman Year.
- Apply for Professional Program after spring semester of Sophomore year.
- Take PET and Music Examination of FTCE after fall semester of Senior 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
- MUG 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
- GEP
- CMENC/Schools
- MUN XXXX Ensemble 1 hr

#### Freshman Year - Spring 18 hrs
- MUL 2104 Introduction to Music History and Literature 3 hrs
- MVK 1112 Class Piano II 1 hr
- MUT 1122 Music Theory and Musicanship II 4 hrs
- MUS 1010 Music Forum 0 hrs
- GEP
- GEP
- MUX XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools

#### Sophomore Year - Fall 16 hrs
- MUT 2126 Music Theory and Musicanship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- GEP
- GEP
- MUE XXXX Techniques 1 hr
- 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 Musicanship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- GEP
- MUE XXXX Techniques 1 hr
- MVX 242X Performance III 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 3953 Recital Performance I 0 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

**271 Undergraduate Catalog 2014-2015**
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 3 hrs
Students in Schools
MUE 4311 Elementary School Music Methods 2 hrs
GEP 3 hrs
CMENC 3 hrs
CMENC/Schools

Senior Year - Spring 11 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4394 Seminar in Music Teaching 1 hr
GEP 3 hrs
CMENC 3 hrs
CMENC/Schools

Senior Year - Summer 9 hrs
GEP 3 hrs
CMENC 3 hrs
CMENC 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
MVX 1111 Class Piano I 1 hr
MUS 1250 IPA for Singers 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
MUL 2014 Introduction to Music History and Literature 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVX 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

Sophomore Year - Fall 18 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVX 2121 Class Piano III 1 hr
MUN 3211 Music History and Literature I 3 hrs
GEP 6 hrs
MVX 141X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Sophomore Year - Spring 15 hrs
MUS 1010 Music Forum 0 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MVX 2122 Class Piano IV 1 hr
MVX 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 16 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4331 Secondary Choral Methods I 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
MVX 4640 Voice Pedagogy 2 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Junior Year - Spring 20 hrs
MUS 1010 Music Forum 0 hrs
MUG 3202 Choral Conducting and Materials 1 hr
MUE 4337 Secondary Instrumental Methods II 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
MUS 3953 Recital Performance I 0 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUS 2360C Introduction to Music Technology 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
MUE 4311 Elementary School Music Methods 2 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
GEP 3 hrs
CMENC 3 hrs

Senior Year - Spring 23 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MUE 4943 Music Internship II 12 hrs
GEP 3 hrs
CMENC 3 hrs

Program C - Elementary Program
Freshman Year - Fall 18 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVX 1111 Class Piano I 1 hr
MUS 1250 IPA for Singers 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 16 hrs
MUE 2014 Introduction to Music History and Literature 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUS 1010 Music Forum 0 hrs
GEP 6 hrs
MVX 141X Performance I 2 hrs
CMENC/Schools

Sophomore Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVX 2121 Class Piano III 1 hr
MUN 3211 Music History and Literature I 3 hrs
GEP 3 hrs
MVX XXXX Techniques 2 hrs
MVX 242X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Sophomore Year - Spring 17 hrs
MUS 1010 Music Forum 0 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MVX 2122 Class Piano IV 1 hr
MVX 3212 Music History and Literature II 3 hrs
MUE XXXX Techniques 2 hrs
MVX 242X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Junior Year - Fall 18 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4311 Elementary School Music Methods 2 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
MVX 4640 Voice Pedagogy 2 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Junior Year - Spring 18 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4311 Elementary School Music Methods 2 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
MUS 3953 Recital Performance I 0 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

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
MVX 1111 Class Piano I 1 hr
MUS 1250 IPA for Singers 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
MUL 2014 Introduction to Music History and Literature 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVX 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

Sophomore Year - Fall 18 hrs
MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVX 2121 Class Piano III 1 hr
MUN 3211 Music History and Literature I 3 hrs
GEP 6 hrs
MVX 141X Performance I 2 hrs
CMENC/Schools

Sophomore Year - Spring 15 hrs
MUS 1010 Music Forum 0 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MVX 2122 Class Piano IV 1 hr
MVX 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 16 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4311 Elementary School Music Methods 2 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
MVX 4640 Voice Pedagogy 2 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Junior Year - Spring 18 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4311 Elementary School Music Methods 2 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
MUS 3953 Recital Performance I 0 hrs
MUE 4335 Secondary Choral Methods II 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
GEP 3 hrs
CMENC/Schools

Junior Year - Spring 19 hrs
MUS 1010 Music Forum 0 hrs
MUE 3353 General Music Literature and Techniques 2 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MUS 3953 Recital Performance I 0 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUG 3X02 Choral or Instrumental Conduction 2 hrs
GEP 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Senior Year - Fall 12 hrs
ESE 3940 Internship I - Secondary 3 hrs
MUE 3333 Music Learning Theory and Assessment 3 hrs
Select 1: 3 hrs
MUE 4331 Secondary Choral Methods I or Theory and Practice of Teaching ESOL 3 hrs
TSL 4080 Students in Schools 3 hrs
GEP 3 hrs
CMENC

Senior Year - Spring 23 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4394 Seminar in Music Teaching 1 hr
MUE 4943 Music Internship II 12 hrs
GEP 3 hrs
CMENC

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

Nursing (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, 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 a basic faculty 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.

- Application for admission to the university must also be submitted 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
- Selected applicants will be invited to a mandatory personal interview session
- 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.
- 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. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.00) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
  Microbiology with Lab 4 hrs
  Anatomy with Lab 4 hrs
  Physiology with Lab 4 hrs
  General Chemistry (or other approved science) 3 hrs

Group B 9 hrs
- A minimum of three courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
  Sociology or 3 hrs
  Psychology 3 hrs
  Developmental Psychology 3 hrs
  Human Nutrition 3 hrs
  Statistics 3 hrs

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
  **1. UCF General Education Program (GEP) (38 hrs)**
  - 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.
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (6 hrs)
  - **1. Mathematics** (3 hrs)
    - You may substitute a higher level math with appropriate scores on the Math Placement Test.
    - Preferred MAC 1105C College Algebra 3 hrs
  **2. Statistics** (3 hrs)
    - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
273 Undergraduate Catalog 2014-2015
## UCF Degree Programs

### D. Social Foundations (6 hrs)

- **1. Economics/Political Science**
  - Prefer ECO 2023: Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2023: Principles of Microeconomics or 3 hrs
  - Prefer POS 2041: American National Government or 3 hrs

### 2. Social Sciences (3 hrs)

- Prefer PSY 2012: General Psychology or 3 hrs
- Prefer SYG 2000: Introduction to Sociology or 3 hrs

### E: Science Foundations (8 hrs)

- **1. Physical Sciences**
  - Suggested CHM 1032: General Chemistry or 3 hrs

### 2. Life Sciences (4 hrs)

- Required BSC 2010C: Biology I or 4 hrs
- Prefer CHM 1032: General Chemistry or 3 hrs
- Prefer SYG 2000: Introduction to Sociology or 3 hrs
- Prefer PSY 2012: General Psychology or 3 hrs
- Prefer POS 2041: American National Government or 3 hrs
- Prefer ECO 2023: Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023: Principles of Microeconomics or 3 hrs

## Core Requirements: Basic Level

### 3. Core Requirements: Basic Level (62 hrs)

- **None**

### 4. Core Requirements: Advanced Level (62 hrs)

- **None**

## UCF Requirements

### 5. Restricted Electives (3 hrs)

#### Nursing Electives

- One College of 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 graduation.

### 8. Electives

- **None**

### 9. 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).
  - 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

- **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.**

### 12. University Minimum Exit Requirements

- **An overall UCF GPA of 2.0 is required.**
- **Completion of 60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work 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

- **122**

### 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.**

### 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 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.**

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**UNIVERSITY OF CENTRAL FLORIDA**

274 Undergraduate Catalog 2014-2015
### Acceptable Substitutes for Transfer Courses
- The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course or approved Science course.
  - MCB 2004C: May substitute any General Microbiology course which has a lab.
  - PCB 3700C: May take Anatomy and Physiology sequence (AP II & II).
  - PSY 2012: May substitute any General Psychology course.
  - STA 2014C: May substitute STA2023 or equivalent.

### Plan of Study

#### Freshman Year - Fall
- 13 hrs
  - MAC 1105C College Algebra 3 hrs
  - GEP 3 hrs
  - Select 1: 3 hrs
    - SYG 2000 Introduction to Sociology or 3 hrs
    - PSY 2012 General Psychology 3 hrs
  - 1 General Education or SLS 1501

#### Freshman Year - Spring
- 13 hrs
  - CHM 1032 General Chemistry 3 hrs
  - MCB 2004C Microbiology for Health Professionals 4 hrs
  - Select 1: 3 hrs
    - DEP 2004C Developmental Psychology or 3 hrs
    - SOW 3104 Assessing I: Human Development 3 hrs
  - 1 General Education Course

#### Sophomore Year - Fall
- 13 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - GEP 3 hrs
  - HUN 3011 Human Nutrition 3 hrs
  - Select 1: 3 hrs
    - SOW 3104 Assessing I: Human Development or 3 hrs
    - DEP 2004C Developmental Psychology 3 hrs

#### Sophomore Year - Spring
- 13 hrs
  - PCB 3703C Human Physiology 4 hrs
  - GEP 3 hrs
  - GEP 3 hrs

#### Junior Year - Fall
- 15 hrs
  - NUR 3625 The Role of the Professional Nurse 2 hrs
  - NUR 3065 Health Assessment 2 hrs
  - NUR 3065L Health Assessment Lab 1 hr
  - NUR 3028 Essentials of Nursing Practice 2 hrs
  - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  - NUR 3028L Essentials of Nursing Practice Lab 1 hr
  - NUR 3634 Community Health Nursing 3 hrs
  - NUR 3634L Community Health Nursing Clinical 2 hrs

#### Junior Year - Spring
- 16 hrs
  - NUR 3125 Pathophysiology for Nursing Practice 3 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 3344 Nursing Care of Families 3 hrs
  - NUR 3445L Nursing Care of Families Clinical 2 hrs

#### Junior Year - Summer
- 6 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 3 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
- 13 hrs
  - NUR 4257 Introduction to Critical Care Nursing 3 hrs
  - NUR 4945L Nursing Practicum 4 hrs
  - NUR 4637 Public Health Nursing 2 hrs
  - NUR 4637L Public Health Nursing Clinical 1 hr
  - NUR 4628 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](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
- Email: ucfnurse@ucf.edu
- Dr. Mary Lou Sole, Interim 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. Upon invitation, if not already admitted to UCF, students must make separate application to UCF and 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 beginning the ASN program. 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.
- 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.
UCF Degree Programs

- Completed seven out of eight pre-requisite coursework for UCF and all of the ASN nursing programs by application deadline.
- 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)**
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Prefer MAC 1105C College Algebra 3 hrs

**C: Mathematical Foundations (6 hrs)**
- Select 1: 3 hrs
  - Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

**D: Social Foundations (6 hrs)**
- Select 1: 3 hrs
  - Prefer SYG 2000 Introduction to Sociology or SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs

- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics or POS 2041 American National Government 3 hrs

**E: Science Foundations (7 hrs)**

1. Required BSC 2010C Biology I 4 hrs
2. 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.

**MCB 2004C Microbiology for Health Professionals 4 hrs**
1 CHM 1032 General Chemistry GEP 4 hrs
2 ZOO Human Anatomy 4 hrs
3 PCB 3703C Human Physiology 4 hrs
4 HUN 3111 Human Nutrition 3 hrs

**Select 1: 3 hrs**
- STA 2023 Statistical Methods I or STA 2014C Principles of Statistics GEP

**Select 1: 3 hrs**
- DEP 2004C Developmental Psychology 3 hrs

**3. Core Requirements: Basic Level**

- None

**4. Core Requirements: Advanced Level (55 hrs)**

**Core UCF Requirements 28 hrs**
- NUR 3606 Professional Socialization Seminar 1 hr
- NUR 3065 Health Assessment Lab 1 hr
- NUR 3065L Dimensions of Professional Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4604 Internship in Community and Public Health 4 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

**Upper Division Credit 27 hrs**

- May be met by validation

1. NUR 3028 Essentials of Nursing Practice 2 hrs
2. NUR 3028L Essentials of Nursing Practice Lab 1 hr
3. NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
4. NUR 3225I Nursing Care of the Adult I 3 hrs
5. NUR 3225L Nursing Care of the Adult I Clinical 2 hrs
6. NUR 3445L Nursing Care of Families Clinical 3 hrs
7. NUR 3445C Nursing Care of Families Clinical 3 hrs
8. NUR 4227I Nursing Care of the Adult II 4 hrs
9. NUR 4227L Nursing Care of the Adult II Clinical 3 hrs
10. NUR 4535 Psychiatric Mental Health Nursing 3 hrs
11. NUR 4535L Psychiatric Mental Health Clinical 2 hrs

**5. Restricted Electives (3 hrs)**

Any one upper division nursing elective 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 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

**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

- 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: $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, Interim 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. All applicants must have:
  - Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN and, have either 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.
  - Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
  - A minimum overall GPA of 2.8

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 (General Education - 36 hours) must be completed prior to enrolling in NUR 3634 - Community Health Nursing.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3634 - Community Health Nursing.

1. UCF General Education Program (GEP) (36 hrs)

   A: Communication Foundations (9 hrs)
   - Required STA 2014C Principles of Statistics or 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   Select 1: 3 hrs
   - Required SYG 2000 Introduction to Sociology or 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

   Select 1: 3 hrs
   - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
   - Suggested ECO 2023 Principles of Microeconomics or 3 hrs
   - Suggested POS 2041 American National Government 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
   - 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:
   - Required SYG 2000 Introduction to Sociology or 3 hrs
   - Required CHM 1032 General Chemistry 3 hrs

   Select 1:
   - Required STA 2014C Principles of Statistics or 3 hrs
   - Required STA 2023 Statistical Methods I 3 hrs

   Select 1:
   - Required SOW 3104  Assessing I: Human Development or 3 hrs
   - Required DEP 2004C Developmental Psychology 3 hrs

   1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   2 (or other approved Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
   3 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
UCF Degree Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (54 hrs)
   **UCF Core**
   - NUR 3805 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 3634 Community Health Nursing 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4604L Practicum in Community and Public Health 4 hrs
     - Nursing for RNs
   - NUR 4828 Nursing Leadership, Management and Role 3 hrs
     - Transition
   - NUR 4637 Public Health Nursing 2 hrs

   **Upper Division Credit** 27 hrs
   - Upper Division Credit may be met by Validation and RN License.
   - NUR 3028 Essentials of Nursing Practice 2 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 3 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 (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 NUR 3634.
   **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 NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 4) complete foreign language admission requirement

   **Other:**
   - Selected courses may be offered at regional campuses of Daytona, Cocoa, and Leesburg.
   - The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.
   - 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

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
- 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 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 3634 Community Health Nursing 3 hrs

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR/NSP XXXX Nursing Elective 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 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
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, Don.Jones@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
Phone: 407-823-2273

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 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 HUM 2210 Humanistic Tradition I 3 hrs
   Required HUM 2230 Humanistic Tradition II 3 hrs
   Required PHI 2010 Introduction to Philosophy 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Required 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

2. Common Program Prerequisites (CPP) (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.

3. Core Requirements: Basic Level (9 hrs)
   HUM 2210 Humanistic Tradition I GEP
   HUM 2230 Humanistic Tradition II GEP
   PHI 2010 Introduction to Philosophy 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
   ^ To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning 6 hrs
Select 2: 6 hrs
   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: 6 hrs
   PHI 3100 Ancient Philosophy or 3 hrs
   PHI 3200 Medieval Philosophy or 3 hrs
   PHI 3460 Modern Western Philosophy 3 hrs

Select 1: 3 hrs
   PHH 3400 Philosophy of Law or 3 hrs
   PHI 3510 Marx and Nietzsche or 3 hrs
   PHI 3700 American Philosophy or 3 hrs
   PHI 3790 African Philosophy 3 hrs

Select 2: 6 hrs
   PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
   PHI 3800 Aesthetics or 3 hrs
   PHI 3823 Ethics and Biological Science or 3 hrs
   PHI 3840 Environmental Ethics or 3 hrs
   PHI 4301 Environmental Philosophy or 3 hrs
   PHI 3701 Native American Philosophy or 3 hrs
   PHI 3805 Contemporary Aesthetics or 3 hrs
   PHI 4221 Philosophy of Language 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.
### UCF Degree Programs

#### 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 PHI 4938: Senior Research Seminar
- 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:

- PHI 4970H Undergraduate Honors Thesis 1 hr
- PHI 4938 Senior Research Seminar or 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 philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

#### Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

#### Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

#### Honors Thesis
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

#### Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy 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 courses:
  - PHI 4903H Honors Directed Reading I 1 hr
  - PHI 4970H Undergraduate Honors Thesis 1 hr

#### Related Programs
- Humanities
- Humanities - Philosophy, Religion, & Popular Culture Track
- Religion and Cultural Studies

#### Certificates
- 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
- None

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2010 Introduction to Philosophy 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
- Restricted Elective 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

#### Junior Year - Fall 15 hrs
- PHI 3083 Research Methods in Philosophy 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 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
- PHI 4938 Senior Research Seminar 3 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Daytona Beach Campus)
http://svad.cah.ucf.edu/bsphotography

Phone: 386-506-4093

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-Studio B.F.A. programs.) 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, 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
2 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 3 hrs
Computer Science or Statistics 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.

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 3278 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 4003 Image, Culture, and Society 3 hrs
PGY 4228C Advanced Illustrative Photography 3 hrs
PGY 4471 Photography Thesis 3 hrs
PGY 3651C Narrative Editorial Photography CPP

Select one of the following courses:
CRW 3011 Creative Writing for Non-Majors or 3 hrs
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

http://svad.cah.ucf.edu/bsphotography

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

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

UFC Degree Programs

Transfer Notes

- 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
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 3853C 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 4471 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/alc/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: 407-823-6800

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, together with the courses required for the major, technical elective courses, and the senior design courses.

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
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 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
Suggested ECO 2013 Principles of Macroeconomics
Suggested ECO 2023 Principles of Microeconomics
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Choose 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 postsecondary schools and may be transferred directly to UCF programs. To enroll in PSE major courses, a 2.0 (C or better) in each course is required for those courses indicated.
MAC 2311C Calculus with Analytic Geometry I  
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 2046C Physics for Engineers & Scientists I  4 hrs  
PHY 2049C Physics for Engineers and Scientists II  4 hrs  
C 1  Principles of Chemistry or  4 hrs  
CHM 2045C Chemistry Fundamentals I  4 hrs  

3. Core Requirements: Basic Level (14 hrs)  
EGS 1006C Introduction to the Engineering Profession  1 hr  
EGN 1007C Engineering Concepts and Methods  1 hr  
EGN 3211 Engineering Analysis and Computation  3 hrs  
EGN 3310 Engineering Analysis-Statics  3 hrs  
PHY 3101 Physics for Engineers and Scientists III  3 hrs  
CHS 1440  4 hrs  
CHM 2045C Chemistry Fundamentals I  4 hrs  

4. Core Requirements: Advanced Level (42 hrs)  
EEL 3004C Electrical Networks  3 hrs  
EEG 3470 Electromagnetic Fields  3 hrs  
EEE 3350 Semiconductor Devices I  3 hrs  
EEL 5132C Networks and Systems  4 hrs  
EEN 3307C Electronics I  4 hrs  
OES 3052 Introduction to Photonics  3 hrs  
OES 3052L Introduction to Photonics Laboratory  1 hr  
OES 3053 Electromagnetic Waves for Photonics  3 hrs  
OES 4520 Laser Engineering  3 hrs  
OES 4520L Laser Engineering Laboratory  1 hr  
OES 4410 Optoelectronics  3 hrs  
OES 4410L Optoelectronics Laboratory  1 hr  
OES 4470 Fiber-Optic Communications  3 hrs  
OES 4470L Fiber-Optic Communications Laboratory  1 hr  
OES 4830 Imaging and Display  3 hrs  
OES 4830L Imaging and Display Laboratory  1 hr  
OES 4930 Frontiers of Optics and Photonics  2 hrs  

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.  
OGR 4951 Senior Design I  3 hrs  
OGR 4952 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  
A 2.0 UCF GPA  
60 semester hours earned after CLEP awarded  
48 semester hours of upper division credit completed
UCF Degree Programs

Physics (B.S.)

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

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.
- 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 60 hours.

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

Physics (B.S.)

College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
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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.
- 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 60 hours.

Program Academic Learning Compacts

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Physics (B.S.)

College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
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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.
- 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 60 hours.

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

Physics (B.S.)

College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
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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.
- 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 60 hours.

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

Physics (B.S.)

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

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.
- 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 60 hours.
PHZ 3113  Introduction to Theoretical Methods of Physics  
PHY 3220  Mechanics I  
PHY 3513  Thermal and Statistical Physics  
PHY 3323  Electricity and Magnetism I  
PHY 4324  Electricity and Magnetism II  
PHY 4604  Wave Mechanics I  
PHY 4605  Wave Mechanics II  
PHY 4912  Directed Independent Research (in area of specialization)  
Directed Electives 6 hrs

Laboratory Requirement 6 hrs
PHY 3802L  Intermediate Physics Laboratory 3 hrs

And either

- PHY 3752C  Physics of Scientific Instruments or 3 hrs
- PHY 3722C  Physics Laboratory-Electronics 3 hrs

4. Core Requirements: Advanced Level

4.1. General Physics Specialization 18 hrs
- Select one specialization

4.2. Materials Physics Specialization 18 hrs
- Select 1 3 hrs
  PHY 4803L  Advanced Physics Laboratory or EEE 5356C  Fabrication of Solid-State Devices 4 hrs
- Select 3 9 hrs
  EEE 3350  Semiconductor Devices I or EGN 3365  Structure and Properties of Materials or EMA 4413  Fundamentals of Electronic Materials or CHM 3411L  Physical Chemistry Laboratory or PHZ 5405  Condensed Matter Physics or EEE 5352  Semiconductor Material and Device Characterization 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.

4.3. Optics and Lasers Specialization 18 hrs
- Select 2 6 hrs
  EEL 4440  Optical Engineering or PHY 4445  Lasers or OSE 5203  Geometrical Optics and Imaging Systems or OSE 5312  Light Matter Interaction or 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
- Select 1 3 hrs
  COP 3502C  Computer Science I or COP 3503C  Computer Science II or 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
  AST 4700  Experimental Methods in Astronomy or AST 4762C  Astronomical Data Analysis or AST 5765C  Advanced Astronomical Data Analysis 3 hrs
- and
Select from upper division AST courses

5. Restricted Electives
- None

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
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must have at least a 2.0 GPA in all courses counted toward the major
- Students will be required to take a nationally normed test in Physics during their last semester
- 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
Honors In Major
- None

Related Programs
- Mathematics - Engineering/Physics Track
- Mathematics - Applied Track
- Mathematics - Pure Track
- Electrical Engineering
- Mechanical Engineering

Certificates
- None

Related Minors
- Mathematics
- Physics
- Astronomy

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
UCF Degree Programs

- 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 at http://knightsource.sdes.ucf.edu/placement/
- Prior to enrolling in Math, take Math Placement Test at 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 2048C: Physics for Engineers & Scientists I (4 hrs)
- MAC 2312: Calculus with Analytic Geometry II (4 hrs)
- CHM 2046: Chemistry Fundamentals II (3 hrs)
- CHM 2048L: Chemistry Fundamentals Laboratory (1 hr)
  - Note: Lab may be taken later if seats are not available
- GEP (3 hrs)

Sophomore Year - Fall
- PHY 2049C: Physics for Engineers & Scientists 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: Physics for Engineers and Scientists 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)
- Physics Test-Nationally normed

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: $12.40 per term
- Full-Time Student: $24.80 per term

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

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 3703: 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)
- 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)
- Prefer: AMH 2020: U.S. History: 1877-Present (3 hrs)
- Select from GEP B.2 list (3 hrs)

C: Mathematical Foundations (6 hrs)
- 1. Math (3 hrs)
  - Prefer: MGF 1106: Finite Mathematics or (3 hrs)
  - Prefer: MGF 1107: Explorations in Mathematics or (3 hrs)
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.

UNIVERSITY OF CENTRAL FLORIDA
286 Undergraduate Catalog 2014-2015
- 2. Statistics  3 hrs
- Prefer STA 2014C Principles of Statistics or  3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- May substitute a higher level Statistics course.  3 hrs

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)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.
- POS 2041 American National Government  GEP
- POS 3703 Scope and Methods of Political Science  3 hrs

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
- 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  CPP

5. Restricted Electives (30 hrs)
- Choose one of the following tracks.

Track 1: American Politics and Policy
- Five courses from Area A  15 hrs
- Two courses from Area B  6 hrs
- Two courses from Area C  6 hrs
- One additional course from any Area  3 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  3 hrs
  - INR 4401 International Law or  3 hrs
  - INR 4404 Space Law  3 hrs
  - Two courses from Area A  6 hrs
  - Five courses from Area B  15 hrs
  - Two courses from Area C  6 hrs
  - One additional course from any Area  3 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  3 hrs
- POS 3122 State Government and Public Policy or  3 hrs
- POS 3173 Southern Politics or  3 hrs
- POS 3162 Florida Politics or  3 hrs
- POS 3233 Public Opinion or  3 hrs
- POS 3234 Protest in American Politics or  3 hrs
- POS 3235 Mass Media and Politics or  3 hrs
- POS 3258 Politics in Film or  3 hrs
- POS 3273 Voting and Elections or  3 hrs
- POS 3413 The American Presidency or  3 hrs
- POS 3424 Congress and the Legislative Process or  3 hrs
- POS 3443 Political Parties and Processes or  3 hrs
- POS 3463 Interest Groups or  3 hrs
- POS 3627 Cultural Pluralism and Law or  3 hrs
- POS 3733 Designing Political Science Research or  3 hrs
- POS 4030 The Politics of Sports or  3 hrs
- POS 4074 Latino Politics or  3 hrs
- POS 4142 Metropolitan Politics or  3 hrs
- POS 4204 Political Behavior or  3 hrs
- POS 4284 Judicial Process and Politics or  3 hrs
- POS 4412 Presidential Campaigning or  3 hrs
- POS 4803 American Constitutional Law I or  3 hrs
- POS 4804 American Constitutional Law II or  3 hrs
- POS 4822 Politics and Civil Rights or  3 hrs
- PUP 3203 Environmental Politics or  3 hrs
- PUP 3314 Minorities in American Politics or  3 hrs
- PUP 3325 Women and Political Behavior or  3 hrs
- PUP 4003 American Public Policy or  3 hrs
- PUP 3204 Sustainability or  3 hrs
- PUP 4209 Urban Environmental Policy or  3 hrs
- PUP 4323 Women and Public Policy or  3 hrs
- PUP 4404 Education and Politics or  3 hrs
- PUP 4503 Government and Science or  3 hrs
- PUP 4510 Space Policy or  3 hrs
- PUP 4602 Politics of Health or  3 hrs
- PUP 4744 Government and Business or  3 hrs
- PUP 4931 Topics in Public Policy or  3 hrs

B. International Relations and Comparative Government Area
- CPO 3034 Politics of Developing Areas or  3 hrs
- CPO 3103 Comparative Politics or  3 hrs
- CPO 3104 Politics of Western Europe or  3 hrs
- CPO 3132 Canadian Studies or  3 hrs
- CPO 3403 Politics of the Middle East or  3 hrs
- CPO 3614 Politics of Eastern Europe or  3 hrs
- CPO 4062 Comparative Judicial Process or  3 hrs
- CPO 4074 Political Economy or  3 hrs
- CPO 4101 Politics of the European Union or  3 hrs
- CPO 4123 Government and Politics of Great Britain or  3 hrs
- CPO 4303 Comparative Latin American Politics or  3 hrs
- CPO 4445 Comparative Political Parties or  3 hrs
- CPO 4514 Politics of East Asia or  3 hrs
- CPO 4541 Chinese Politics or  3 hrs
- CPO 4553 Politics of Japan or  3 hrs
- CPO 4643 Government and Politics of Russia or  3 hrs
- CPO 4710 Women in Comparative Politics or  3 hrs
- CPO 4754 Comparative Political Institutions or  3 hrs
- CPO 4764 Political and Economic Inequality in  3 hrs
- Comparative Perspective or
- CPO 4794 Indigenous Politics and the Environment or  3 hrs
- GEO 3471 World Political Geography or  3 hrs
- IDS 4315 Global Perspectives or  3 hrs
- InR 2002 International Relations-Theory and Practice or
- InR 3116 Global Political Issues or  3 hrs
- InR 3250 Politics of Pan-Africanism or  3 hrs
- InR 3253 International Politics of Africa or  3 hrs
- InR 4011 Politics of Globalization or  3 hrs
- InR 4030 Diplomacy or  3 hrs
- InR 4035 International Political Economy or  3 hrs
- InR 4054 Global Politics of Energy or  3 hrs
- InR 4060 Causes of War 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 4084 Politics of International Terrorism or  3 hrs
- InR 4085 Women, Gender, and Globalization or  3 hrs
- InR 4102 American Foreign Policy or  3 hrs
- InR 4104 Topics and Cases in American Foreign Policy or
- InR 4114 American Security Policy or  3 hrs
- InR 4115 Strategic Weapons and Arms Control or  3 hrs
- InR 4224 Contemporary International Politics or

C. Political Theory Area  6 hrs
- InR 4603 International Relations Theory or  3 hrs
- POS 4206 Political Psychology or  3 hrs
- POT 3204 American Political Thought or  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.

   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 Political Science, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 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 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 ~ 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
- 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
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
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  
15 hrs  
Restricted Elective  3 hrs  
Free Elective  3 hrs  
Free Elective  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.oecs.ucf.edu/aic/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  
http://politicalscience.cos.ucf.edu/  
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/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;  
- 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  
Required ENC 1102 Composition II  3 hrs  
Preferred SPC 1606 Fundamentals of Oral Communication  3 hrs  
B: Cultural & Historical Foundations  
(9 hrs)  
Preferred AMH 2010 U.S. History: 1492-1877  3 hrs  
Preferred AMH 2020 U.S. History: 1877-Present  3 hrs  
Select a course from GEP B.2. list  3 hrs  
C: Mathematical Foundations  
(6 hrs)  
Math:  3 hrs  
Preferred MGF 1106 Finite Mathematics or  3 hrs  
Preferred 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  
Preferred STA 2014C Principles of Statistics or  3 hrs  
Preferred STA 1083C Basic Statistics Using Microsoft Excel or  3 hrs  
May substitute a higher level statistics course.  3 hrs

D: Social Foundations  
(6 hrs)  
Political Science  3 hrs  
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)  
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 for the following courses.

POS 2041 American National Government  GEP  
POS 3703 Scope and Methods of Political Science  3 hrs

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  
POS 3703 Scope and Methods of Political Science  3 hrs

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  CPP  
POS 4264 Judicial Process and Politics  3 hrs

5. Restricted Electives  
(27 hrs)  
Select from the following courses:  3 hrs  
POS 4603 American Constitutional Law I or  3 hrs  
POS 4604 American Constitutional Law II or  3 hrs  
INR 4401 International Law  3 hrs

And, select one of the following options:  (See 24 hrs

Area courses list under Political Science)  
Five courses from area A and  15 hrs  
Two courses from area B and  6 hrs  
One course from area C  3 hrs

OR  
Two courses from area A and  6 hrs  
Five courses from area B and  15 hrs  
One course from area C  3 hrs

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
Admissions  
- Met by graduation requirement

UNIVERSITY OF CENTRAL FLORIDA  
289  Undergraduate Catalog 2014-2015
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.

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 4105 History of the English Language 3 hrs
  - MHI 3302 Logic and Proof in Mathematics 3 hrs
  - PHI 2101 Formal Logic I 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
- Maintain a minimum GPA of 2.0 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 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
- 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 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 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Foreign Language 4 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs
- 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

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
- Supporting Elective 3 hrs

Junior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Supporting Elective 4 hrs
- Supporting Elective 4 hrs
- Supporting Elective 3 hrs
Senior Year - Fall
- Restricted Elective: 3 hrs
- Restricted Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs

Senior Year - Spring
- Supporting Elective: 3 hrs
- Supporting Elective: 3 hrs
- Supporting Elective: 4 hrs
- Supporting 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

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: psychadvising@ucf.edu
Phone: 407-823-2216

Contact: Psychology Advising Center, PSY 250, 407-823-2219

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 at least a “C” (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses
- 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.
  Prefer MAC 1105C College Algebra 3 hrs

Statistics:
- Required STA 2023 Statistical Methods I or 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
Social Sciences:
- Required PSY 2012 General Psychology 3 hrs

Political Science/Economics
- Select one of the listed choices 3 hrs

E: Science Foundations (6 hrs)

Biology:
- Select the advanced option if additional biology courses are planned.
  Required BSC 1005 Biological Principles or 3 hrs
  Required BSC 2010C Biology I 4 hrs

Physical or Chemical:
- Select one of the listed choices 3 hrs

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:
- PSY 2012 General Psychology GEP
- DEP 2004C Developmental Psychology 3 hrs

Biography:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I or GEP

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:
- PSY 2012 General Psychology GEP

Biography:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I or GEP

4. Core Requirements: Advanced Level (18 hrs)
- PSY 2023 Psychology Cornerstone: Career Paths 2 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- PSY 3213C Research Methods in Psychology 4 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- PSY 4049 Psychology Capstone 1 hr

5. Restricted Electives (33 hrs)
A. Experimental: Select from the following: 6 hrs
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4204C 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 3004C Social Psychology 3 hrs

C. Developmental: Select from the following: 3 hrs
- DEP 2004C 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 3784 Psychology of Diversity 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
291
Undergraduate Catalog 2014-2015
### 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 3141C 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 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 3550C Primatology or 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - PHY 2053C College Physics I or 4 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - COP 3223 Introduction to Programming with C or 3 hrs
  - COP 3502C Computer Science I or 3 hrs
  - COP 3503H Honors Computer Science II or 3 hrs
  - MAC 2233 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - PCB 3703C Human Physiology or 4 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
  - BSC 1050 Biology and Environment or 3 hrs
  - BSC 2011C Biology II or 4 hrs
  - BSC 4312C Advanced Marine Biology or 4 hrs
  - PCB 3063 Genetics or 3 hrs
  - ENV XXX Any ENV prefix course or 3 hrs
  - GEO XXX Any GEO prefix course or 3 hrs
  - MCB XXX Any MCB prefix course or 3 hrs
  - ZOO XXX 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.

#### 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 course used to satisfy the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology 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

##### Additional Requirements: 6 hrs
- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a "B" (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

#### Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

#### Certificates
- Behavioral Forensics

#### Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

#### Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

#### 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:
  - 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

### Undergraduate Catalog 2014-2015
Freshman Year - Spring  
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Psychology Cornerstone 2 hrs

Sophomore Year - Fall  
- DEP 2004C Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring  
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall  
- 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  
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall  
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring  
- PSY 4804 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.oes.ucf.edu/alc/academic_learning_compacts.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/pubadm/
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu
Phone: 407-823-2604

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).

UCF Degree Programs

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.

1. UCF General Education Program (GEP)
- Communication Foundations
  - Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs

- Cultural & Historical Foundations
  - Suggested: MAC 1105G College Algebra or 3 hrs
  - Suggested: MGF 1106 Finite Mathematics or 3 hrs
  - Suggested: MGF 1107 Explorations in Mathematics 3 hrs

- Mathematical Foundations

- Social Foundations
  - Suggested: POS 2041 American National Government 3 hrs

- Science Foundations
  - Suggested: PSY 212 General Psychology or 3 hrs
  - Suggested: SYG 2200 Introduction to Sociology or 3 hrs
  - Suggested: ANT 2000 General Anthropology 3 hrs

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level
- PAD 3003 Public Administration in American Society 3 hrs
- PAD 4049 The Administration of Public Policy 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 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

B.A./B.S. Option
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives
- Students must complete a minimum of 15 hours of restricted electives from a list 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.
UCF Degree Programs

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement.
- 8. Electives
  - None
- 9. Additional Requirements
  - None
- 10. Required Minors
  - None
- 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).
- 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
- Accounting
- Computer Science
- Criminal Justice
- Economics
- Health Services Administration
- Human Communication
- Legal Studies
- Management
- Political Science
- Social Work

Certificates
- Nonprofit Management

Related Minors
- Business
- Economics
- Political Science
- Legal Studies
- Criminal Justice
- Urban and Regional Planning
- Emergency Management and Homeland Security
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes
- None

Transfer Notes
- None

Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This can be taken in any of the following combinations:
  - 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- POS 2041 American National Government 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2101 Enjoyment of Music or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 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 or 3 hrs
- Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy or 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall
- SPC 2008 Fundamentals of Oral Communication 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- Select 1: 3 hrs
- BSC 1005 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- GEO 1200 Physical Geography or 3 hrs
- ANT 2511 The Human Species or 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- PAD 2003 Public Administration in American Society 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II or 3 hrs

Junior Year - Fall
- PAD 4104 Administrative Theory 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language I or BS option 3 hrs

Junior Year - Spring
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- Restricted Elective 3 hrs
- Foreign Language II or BS option 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- Restricted elective or PAD Internship 3 hrs
Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
Email: radiotv@ucf.edu
Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
■ Students should apply to become Radio-Television majors only after completing all requirements for admission.
■ Attain an overall minimum 2.25/4.0 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
■ Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
■ See an NSC advisor for additional admission criteria.
■ 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).
■ Meet a grammar proficiency standard (“B” (3.0) grades or better in the following courses or pass the grammar proficiency exam).
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
■ Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.
■ 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.
■ 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.

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 1:
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)
Prefer AMH 2010 U.S. History: 1877-Present 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Select a third course from GEP B2 3 hrs

C: Mathematical Foundations (6 hrs)
Math:
You may substitute a higher level math with appropriate scores on the Math Placement Test.
Suggested MGF 1107 Finite Mathematics or 3 hrs
Suggested MGF 1106 Explorations in Mathematics 3 hrs

Computer Science:
Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
Prefer POS 2041 American National Government 3 hrs
Select a listed course 3 hrs

2. Common Program Prerequisites (CPP)
■ None
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (15 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.
MMC 3200 Mass Communication Law 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs
Select 1:
SPC 1603C Fundamentals of Technical Presentations or 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
■ These courses are only available to students who have been accepted into the major.

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

UCF Degree Programs
5. Restricted Electives

- Specialization: Select one area and complete the credit hours required by that specialization.
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.

### A. Production

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 3210C</td>
<td>Audio Production I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3228C</td>
<td>Studio Television Production or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTV 323C</td>
<td>Lighting for Video or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3260C</td>
<td>Single Camera Video Production and Editing or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTV 3263C</td>
<td>Advanced Video Post-Production or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3283C</td>
<td>Production of Interactive Multimedia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4211C</td>
<td>Audio Production II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4280C</td>
<td>Webcasting I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4281C</td>
<td>Webcasting II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4286C</td>
<td>Television Directing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4271C</td>
<td>Radio Production and Programming or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>R-TV 3942L</td>
<td>Practicum or</td>
<td>1 hr</td>
</tr>
<tr>
<td>R-TV 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

1 May be taken for a maximum of 3 hours.

### B. Broadcast Journalism

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 4700</td>
<td>Journalism Ethics and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3260C</td>
<td>Single Camera Video Production and Editing and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTV 3301</td>
<td>Electronic Journalism I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3304</td>
<td>Electronic Journalism II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4320C</td>
<td>Television News</td>
<td>4 hrs</td>
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Select from the following: 5 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOU 3004</td>
<td>History of American Journalism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3015</td>
<td>Principles of Journalism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3234C</td>
<td>Broadcast Announcing and Performance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3283C</td>
<td>Production of Interactive Multimedia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4322C</td>
<td>Advanced TV News</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4700</td>
<td>Regulation of Broadcasting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>R-TV 4906</td>
<td>Directed Independent Study or</td>
<td>1 hr</td>
</tr>
<tr>
<td>R-TV 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
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</table>

1 May be taken for a maximum of 3 hours.

### C. Broadcast Generalist

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103</td>
<td>Radio-Television Advertising or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3015</td>
<td>Principles of Journalism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3330</td>
<td>Computer Mediated Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4263</td>
<td>New Media Technologies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3234C</td>
<td>Broadcast Announcing and Performance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3283C</td>
<td>Production of Interactive Multimedia or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4271C</td>
<td>Radio Production and Programming or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4700</td>
<td>Regulated of Broadcasting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4800</td>
<td>Broadcast Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>R-TV 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Select from the following: 6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3630</td>
<td>Social Media as Mass Communication or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4503</td>
<td>Sports Programming in Electronic Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 May be taken for a maximum of 3 hours.

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; 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 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

- 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

11. Departmental Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication 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

- 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
- Marketing
- Theatre

Advising Notes

- None

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 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
1 CGS Computer Fundamentals for Business 3 hrs
2100C Foreign Language 4 hrs

Sophomore Year - Fall 15 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs
Elective-Minor 3 hrs

Sophomore Year - Spring 15 hrs
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 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
RTV 2102 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 15 hrs
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 3 hrs
Restricted Elective-Internship 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs
Elective-outside of NSC 3 hrs

Senior Year - Spring 16 hrs
Restricted Elective 3 hrs
Restricted Elective, or
-Elective-Outside of NSC 4 hrs
Elective-Minor 3 hrs
Elective-Minor 3 hrs
Elective-outside of NSC 3 hrs

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: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575
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.
- See Common Program Prerequisites

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- 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.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of 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.
- A maximum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.
- Students in the real estate major must maintain a 2.0 or higher cumulative grade point average in all 3000 level or higher finance or real estate courses taken at UCF. Failure to maintain the required 2.0 GPA will result in the student being placed on lack of progress in the major.
- Lack of progress in the major will continue until such time as the student’s cumulative GPA in all finance and real estate courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in finance and real estate courses in the subsequent term, that student will be dropped as a real estate major.
- A student who is dropped my self-admit as a real estate major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving a finance and real estate GPA of 2.0 or higher. Readmission is not automatic.

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 MAC 1105C College Algebra 3 hrs

2. Real Estate (B.S.B.A.) Core Courses (12 hrs)

3. Restricted Electives (9 hrs)

4. Electives - Outside of NSC (9 hrs)

5. Electives - Business Administration (6 hrs)

Total Hours: 120

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2013</td>
<td>Principles of Macroeconomics 3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023</td>
<td>Principles of Microeconomics 3 hrs</td>
</tr>
</tbody>
</table>

| Select 1:             | 3 hrs  |
| Suggested PSY 2012    | General Psychology or 3 hrs |
| Suggested SYG 2000    | Introduction to Sociology or 3 hrs |
| Suggested ANT 2000    | General Anthropology 3 hrs |

| E: Science Foundations | (6 hrs) |

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a “C” (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.

**ACG 201 Principles of Financial Accounting** 3 hrs
**ACG 2071 Principles of Managerial Accounting** 3 hrs
**ECO 2013 Principles of Macroeconomics** 3 hrs
**ECO 2023 Principles of Microeconomics** 3 hrs
**CGS 2100C Computer Fundamentals for Business** 3 hrs

<table>
<thead>
<tr>
<th>Select one of the following sequences of courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401</td>
</tr>
<tr>
<td>ECO 3401 Quantitative Business Tools I 3 hrs</td>
</tr>
<tr>
<td>or MAC 2233 Concepts of Calculus and 3 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I 3 hrs</td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level (29 hrs)

**First or subsequent semester in the College of Business Administration:**

<table>
<thead>
<tr>
<th>Required</th>
<th>ECO 2023 Principles of Macroeconomics</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031 Cornerstone: Professional Skills for Business</td>
<td></td>
</tr>
<tr>
<td>GEB 3031L Cornerstone Lab: Professional Skills for Business</td>
<td></td>
</tr>
<tr>
<td>GEB 3003 Career Research &amp; Planning</td>
<td></td>
</tr>
<tr>
<td>GEB 3005 Career Search Strategy</td>
<td></td>
</tr>
<tr>
<td>GEB 3375 Introduction to International Business</td>
<td></td>
</tr>
<tr>
<td>BUL 3130 Legal and Ethical Environment of Business</td>
<td></td>
</tr>
<tr>
<td>ECO 3411 Quantitative Business Tools II</td>
<td></td>
</tr>
<tr>
<td>FIN 3403C Business Finance</td>
<td></td>
</tr>
<tr>
<td>MAN 3025 Management of Organizations</td>
<td></td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td></td>
</tr>
<tr>
<td>MAR 3203 Supply Chain and Operations Management</td>
<td></td>
</tr>
<tr>
<td>GEB 4223 Business Interviewing Techniques</td>
<td></td>
</tr>
<tr>
<td>GEB 4004 Executing Your Career Plan</td>
<td></td>
</tr>
</tbody>
</table>

1 Required in 1st or 2nd semester

4. Core Requirements: Advanced Level (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>FIN 2100 Personal Finance and Investments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>REE 3043 Fundamentals of Real Estate</td>
</tr>
<tr>
<td>Required</td>
<td>REE 3433 Real Estate Law</td>
</tr>
</tbody>
</table>

5. Restricted Electives (15 hrs)

**Select 5:**

<table>
<thead>
<tr>
<th>Required</th>
<th>FIN 3414 Intermediate Corporate Finance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>FIN 3504 Investment Analysis</td>
</tr>
<tr>
<td>Required</td>
<td>MAR 3391 Professional Selling</td>
</tr>
<tr>
<td>Required</td>
<td>R Balk 3614 Environmental Issues for Real Estate</td>
</tr>
<tr>
<td>Required</td>
<td>R Balk 4103 Real Estate Appraisal and Valuation</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4203 Commercial Real Estate Finance</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4204 Residential Real Estate Finance</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4303 Real Estate Investment Analysis</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4732 Real Estate Development</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4903H Honors Directed Readings I</td>
</tr>
<tr>
<td>Required</td>
<td>R EE 4941 Internship</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4970H Undergraduate Honors Thesis</td>
</tr>
<tr>
<td>Required</td>
<td>REE 4933 Advanced Topics in Real Estate</td>
</tr>
</tbody>
</table>

1 Must be accepted into the UCF Honors in the Major program. See [http://www.honors.ucf.edu/](http://www.honors.ucf.edu/) for details.

6. Capstone Requirements (4 hrs)

- MAN 4720 Strategic Management 4 hrs

**This course should be taken in the graduating term and requires the following prerequisites:**

<table>
<thead>
<tr>
<th>Required</th>
<th>GEB 3031 Cornerstone: Professional Skills for Business</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>MAR 3023 Marketing</td>
</tr>
<tr>
<td>Required</td>
<td>MAN 3025 Management of Organizations</td>
</tr>
<tr>
<td>Required</td>
<td>FIN 3433 Real Estate Finance</td>
</tr>
</tbody>
</table>

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

**Electives**

- Variable

**Additional Requirements**

- None

- 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**

- Real Estate: Mortgage Brokerage
- Real Estate: Real Estate Appraisal
- Real Estate: Real Estate Brokerage

**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.

- Any student receiving a business degree must complete one half (30) of the 60 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.
Any student receiving a business degree must complete one half (30) of the 60 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)

Must complete nine hours in a summer semester

Freshman Year - Fall
15 hrs
ENC 1101 Composition I 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
MAC 1105C College Algebra 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring
15 hrs
ENC 1102 Composition II 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 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
Historical Foundation I 3 hrs
Science 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
Historical Foundation II 3 hrs
Science 3 hrs
Elective 3 hrs

Junior Year - Fall
14 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
GEB 3003 Career Research & Planning 1 hr
FIN 3403C Business Finance 3 hrs
NAR 3023 Marketing 3 hrs
GEB 3375 Introduction to International Business 3 hrs

Junior Year - Spring
16 hrs
ECO 3411 Quantitative Business Tools II 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
Free Elective 3 hrs

Senior Year - Fall
16 hrs
MAN 3026 Management of Organizations 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring
14 hrs
MAN 4720 Strategic Management 4 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 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.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

http://philosophy.cah.ucf.edu/

Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@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.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religion and Cultural Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Required HUM 2210 Humanistic Tradition I 3 hrs
Required HUM 2230 Humanistic Tradition II 3 hrs
Required 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.

Statistics-Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level

HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
REL 2300 World Religions GEP

Studying Religion and Culture 3 hrs
REL 2000 Introduction to Religious Studies 3 hrs
4. Core Requirements: Advanced Level (24 hrs)
   Traditions 9 hrs
   ■ Must select at least one in each category
   Abrahamic Traditions 3 hrs
   JST 3401 Jewish People in Antiquity or 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 3 hrs
   Asian and Indigenous Traditions 3 hrs
   ANT 3245 Native American Religions or 3 hrs
   REL 3340 Buddhist Thought or 3 hrs
   REL 3333 Hinduism or 3 hrs
   REL 3123 Asian Religions in America 3 hrs
   Theories and Methods 6 hrs
   ■ Must select one in each category
   Religion 3 hrs
   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
   Cultural Studies 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 4459 American Cultural Studies in Humanities or 3 hrs
   HUM 4823 Queer Theory in the Humanities or 3 hrs
   HUM 4826 Postcolonial Theory or 3 hrs
   PHI 3600 Contemporary Philosophy or 3 hrs
   PHI 4834 Critical Theory 3 hrs
   Religion in Culture 9 hrs
   ■ Must select three from the following:
   REL 3101 Religion in Popular Culture 3 hrs
   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
   PHI 3033 Philosophy, Religion, and the Environment 3 hrs
   ANT 3241 Magic, Ritual, and Belief 3 hrs
   POT 4632 Religion and Politics 3 hrs
   SYO 4200 Religion in Society 3 hrs
   Restricted Electives (6 hrs)
   ■ Any two 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 36 hrs
    • Core, Elective Requirements, and Senior Seminar 36 hrs
    • Honors Thesis 6 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
    ■ Certificates
    ■ None
    • Related Minors
    ■ Humanities
    ■ Judaic Studies
    ■ Philosophy
    ■ Religion and Cultural 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
    Freshman Year - Fall 16 hrs
    ENC 1101 Composition I 3 hrs
    HUM 2210 Humanistic Tradition I 3 hrs
    MGF 1106 Finite Mathematics 3 hrs
    REL 2300 World Religions 3 hrs
    SPN 1120C Elementary Spanish Language and Civilization I 3 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
- **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
- **E: Science Foundations (6 hrs)**
- **Select 1:**  3 hrs
  - Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology  3 hrs

### Sophomore Year - Fall
- **15 hrs**
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Restricted Elective  3 hrs
- REL 2000 Introduction to Religious Studies  3 hrs
- **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
- **E: Science Foundations (6 hrs)**
- **Select 1:**  3 hrs
  - Required PSY 2012 General Psychology or SYG 2000 Introduction to Sociology or ANT 2000 General Anthropology  3 hrs

### Junior Year - Fall
- **15 hrs**
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- **2. Common Program Prerequisites (CPP) (7 hrs)**
- **Select 1:**  3 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry  3 hrs
- FSS 2221C Techniques of Food Preparation  4 hrs
- 1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

### 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
- **3. Core Requirements: Basic Level**
- MAC 1105C College Algebra  GEP
- **Select 1:**  3 hrs
  - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I  GEP
- **D: Social Foundations (6 hrs)**
- **Select 1:**  3 hrs
  - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics  GEP

### Sophomore Year - Spring
- **15 hrs**
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- **3. Core Requirements: Basic Level**
- MAC 1105C College Algebra  GEP
- **Select 1:**  3 hrs
  - CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I  GEP
- **D: Social Foundations (6 hrs)**
- **Select 1:**  3 hrs
  - ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics  GEP

### Junior Year - Spring
- **15 hrs**
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- **4. Core Requirements: Advanced 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
- **5. Restricted Electives (15 hrs)**
- **Select 5:**  15 hrs
  - FSS 3124 Supply and Procurement Management  3 hrs
  - FSS 3263 Restaurant Management  3 hrs
  - FSS 3613 Foodservice Marketing, Sales, and Distribution  3 hrs
  - HFT 4457 Food, Beverage, and Labor Cost Controls  3 hrs
  - HFT 4861C Beverage Management  3 hrs
  - HFT 2843 Sanitation in the Food Service Industry  3 hrs
  - Restaurant Management Core  18 hrs
  - FSS 3124 Supply and Procurement Management  3 hrs
  - FSS 3263 Restaurant Management  3 hrs
  - FSS 3613 Foodservice Marketing, Sales, and Distribution  3 hrs
  - HFT 4457 Food, Beverage, and Labor Cost Controls  3 hrs
  - HFT 4861C Beverage Management  3 hrs
  - HFT 2843 Sanitation in the Food Service Industry  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

### 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.
UCF Degree Programs

HFT 4268  Case Studies in Restaurant Management  3 hrs
HFT 4281  Restaurant Leadership Strategies and Tactics  3 hrs
HFT 4343  Hospitality Facilities Management or  3 hrs
HFT 4864  Seminar in Quality Brewing and Fine Beer or  3 hrs
HFT 4866C  Exploring Wines of the World or  3 hrs
HFT 4894  International Gastronomy or  3 hrs
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
■ 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 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 if 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 1111  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:  3 hrs
PSY 2012  General Psychology or  3 hrs
SYG 2400  Introduction to Sociology or  3 hrs
ANT 2000  General Anthropology  3 hrs

Freshman Year - Spring  16 hrs
ENC 1102  Composition II  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
FSS 2212C  Techniques of Food Preparation  4 hrs
Cul/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  14 hrs
HFT 2220  Hospitality Human Resources Management  3 hrs
Science Foundations I  3 hrs
Free Electives  5 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
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  16 hrs
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 3444  Hospitality Information Systems  3 hrs
HFT 3263  Restaurant Management  3 hrs
HFT 3940  Internship I  1 hr
Restaurant Restricted Elective  3 hrs

Junior Year - Spring  16 hrs
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 2843  Sanitation in the Food Service Industry  3 hrs
HFT 4941  Internship II  1 hr
Restaurant Restricted Elective  3 hrs

Senior Year - Fall  13 hrs
HFT 4464  Hospitality Industry Finance  3 hrs
HFT 4286  Hospitality Communications  3 hrs
HFT 4981C  Beverage Management  3 hrs
HFT 4944  Internship III  1 hr
Restaurant Restricted Elective  3 hrs

Senior Year - Spring  15 hrs
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

UNIVERSITY OF CENTRAL FLORIDA
302 Undergraduate Catalog 2014-2015
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/

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu,
Dr. Janet Andreasen, ED 123Q, janet.andreasen@ucf.edu,
407-823-1862

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 6-12 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.
- 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) (38 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)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   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

2. Common Program Prerequisites (CPP) (21 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
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - BSC 2010C Biology I GEP
   - MAC 2311C Calculus with Analytic Geometry I GEP
   - 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

   1 A grade of "C-"(1.75) is required.

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

   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

   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
   - EDG 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
   - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

   Lifelong Learning Track
   - SCE 4361 Programs in Teaching Science 3 hrs

   Education Track Specialization Requirements (21 hrs)
   - CHM 2205 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

Note: Students are advised to take the preferred courses in this section with the permission of the department.
UCE Degree Programs

Select 1: 4 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDG 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: 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/
- SCE 4360 Science Instructional Analysis 4 hrs
- SCE 3940 Internship 3 hrs

Internship II 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/clinicalexperience/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices.
- 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/clinicalexperience/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices.
- Select preferred specialization courses with advisor approval. A maximum 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 2300 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604C Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703C 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 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification 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 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 12 hrs
- AMH 2010 U.S. History: 1492-1877 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

### Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Education Track
- Freshman Year - Summer 6 hrs
  - POS 2041 American National Government 3 hrs
- Education Track 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators

### Lifelong Learning Track
- Lifelong Learning Track 3 hrs
  - EDF 2130 Child and Adolescent Development for Educators or
  - EDP 2270 Adult Development & Learning 3 hrs

### Sophomore Year - Fall 15 hrs
- 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 14 hrs
- 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 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

### Junior Year - Fall 14 hrs
- 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 Evolution 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr

Select one of the following sequences of courses:
- PCB 3063 Genetics and Evolution 3 hrs
  - 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 13 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

### Education Track 10 hrs
- MCB 3520C General Microbiology and Immunology 5 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs

### Lifelong Learning Track 10 hrs
- MHS 2330 Career Planning and Counseling 3 hrs
  - or
  - Choose Lifelong Learning Specialization courses 7 hrs

### Senior Year - Fall 13 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

### Senior Year - Spring 12 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

### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 12 hrs

### Science Education - Chemistry (B.S.)

**College of Education and Human Performance**

**Education Building, Room: 209**

http://education.ucf.edu/science/

Gwyndolyn Crittenden, ED 223E, Gwyndolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen, 407-823-5430

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 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.
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)
   Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
   Required MAC 1114C College Trigonometry 3 hrs

Select 1: 3 hrs
   Prefer STA 1063C Basic Statistics Using Microsoft Excel or
   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

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
   1 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 System institutions may substitute for select courses in this section with the permission of the department.
   CHM 2045C Chemistry Fundamentals I 4 hrs
   PSC 1121 Physical Science 3 hrs
   BSC 2010C Biology I 4 hrs
   MAC 1114C College Trigonometry 3 hrs

Education Track 3 hrs
   EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 6 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 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

Lifelong Learning Track Specialization Requirements 34 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.

Education Track Specialization Requirements 21 hrs
   CHM 2046 Chemistry Fundamentals II
   CHM 2046L Chemistry Fundamentals Laboratory
   PHY 2053C College Physics I
   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
   SCE 4361 Programs in Teaching Science 3 hrs

Internship I 7 hrs
   Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry 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: 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 12 hrs
   At least 80% of all required chemistry 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 (Chemistry 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.

BCH 4053 Biochemistry I 3 hrs
   EDF 4410 Teaching Exceptional Students in Secondary Settings 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

SCE 4361 Programs in Teaching Science 3 hrs

Lifelong Learning Track 3 hrs
   SCE 4361 Programs in Teaching Science 3 hrs

Lifelong Learning Track Specialization 34 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.

SCE 4361 Programs in Teaching Science 3 hrs

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 12 hrs

Lifelong Learning Track 3 hrs
   SCE 4361 Programs in Teaching Science 3 hrs

SCE 4361 Programs in Teaching Science 3 hrs

Lifelong Learning Track Specialization 34 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.

UNIVERSITY OF CENTRAL FLORIDA 306 Undergraduate Catalog 2014-2015
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 4063 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 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 2302 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C 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 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification 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 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
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
PSC 1121 Physical Science 3 hrs
PSC 1121L Physical Science Lab 1 hr
PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 12 hrs
ENC 1102 Composition II 3 hrs
MAC 1114C College Trigonometry 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer 6 hrs
POS 2041 American National Government 3 hrs

Select I: 3 hrs
- STA 2014C Principles of Statistics or
- STA 1063C Basic Statistics Using Microsoft Excel 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
SFC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring 13 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2048L Chemistry Fundamentals Laboratory 1 hr
EDF 2065 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

Education Track 3 hrs
- EDF 2130 Child and Adolescent Development for Educators

Lifelong Learning Track 3 hrs

Select I: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning

1 Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer 4 hrs
PHY 2053C College Physics I 4 hrs

Junior Year - Fall 16 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management
- A 7 hrs
CHM 2210 Organic Chemistry I and
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
CHM 3120 Analytical Chemistry and
CHM 3120L Analytical Chemistry Laboratory 1 hr

Education Track 7 hrs

Lifelong Learning Track 7 hrs
Choose Lifelong Learning Specialization courses 7 hrs
## UCF Degree Programs

### Science Education - Physics (B.S.)

#### College of Education and Human Performance

**School of Teaching, Learning, and Leadership,**  
**Education Building, Room: 209**


Gwendolyn Crittenden, ED 223E, Gwendolyn.Crittenden@ucf.edu, 407-823-1862

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

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, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools.

### 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) (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: SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

- Prefer: AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer: PHI 2010 Introduction to Philosophy 3 hrs
- Prefer: AMH 2020 U.S. History: 1877-Present 3 hrs

#### 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

#### E: Science Foundations (7 hrs)

- 1 Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Select 1:

- 2 Required: PHY 2049C Physics for Engineers & Scientists I GEP 4 hrs
- Prefer: STA 2014C Principles of Statistics 3 hrs
- Prefer: STA 2086C Introduction to Technology for Educators 3 hrs
- Prefer: MAC 2311C Calculus with Analytic Geometry I GEP 4 hrs
- Prefer: MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Prefer: MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Prefer: PHY 2048C Physics for Engineers & Scientists I GEP 4 hrs
- Prefer: PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Prefer: CHM 2055C Chemistry Fundamentals I 4 hrs
- Prefer: CHM 2048 Chemistry Fundamentals II 3 hrs
- Prefer: CHM 2048L Chemistry Fundamentals Laboratory 1 hr

### Undergraduate Program Prerequisites (CPP) (29 hrs)

- See “Common Prerequisites” in the Transfer and Transition Services section for more information.

#### Core Requirements: Basic Level (3 hrs)

- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours

#### Education Track

- 1 Required: EDF 2130 Child and Adolescent Development for Educators 3 hrs

#### Lifelong Learning Track

- 1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### 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.

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### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
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### Education Track

- **8 hrs**

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<tr>
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<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and CHM 2211L Organic Laboratory Techniques I and</td>
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</tr>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
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### Lifelong Learning Track

- **8 hrs**

<table>
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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MHS 2330</td>
<td>Career Planning and Choose Lifelong Learning Specialization courses</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>
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### Junior Year - Fall

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<th>Hours</th>
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<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
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### Education Track

- **8 hrs**

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>SCE 4360</td>
<td>Science Instructional Analysis and SCH 3940 Internship and</td>
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<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
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### Lifelong Learning Track

- **10 hrs**

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<td>10 hrs</td>
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### Senior Year - Fall

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</thead>
<tbody>
<tr>
<td>SCE 4941</td>
<td>Internship</td>
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</table>

### Lifelong Learning Track

- **12 hrs**

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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>SCE 4941</td>
<td>Internship</td>
<td>12 hrs</td>
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</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: $12 per term
- Full-Time Student: $24 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

308 Undergraduate Catalog 2014-2015
### 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

#### Education Track Specialization Requirements

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
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<tr>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
</tr>
<tr>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410 Teaching Strategies and Classroom Management</td>
</tr>
<tr>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
</tr>
<tr>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
</tr>
<tr>
<td>3 hrs</td>
</tr>
<tr>
<td>1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
</tr>
<tr>
<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: 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/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).

#### Lifelong Learning Track Specialization 26 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.

- Theory and Practice of Teaching ESOL Students in Schools.

-为自己设定学习目标，并通过实践不断提高自己的教学技巧。学习关于教学的伦理、法律和安全问题。

- 在幼儿园到12年级的阅读内容中提供理论和实践的教学ESOL学生。

### 4. Core Requirements: Advanced Level (47 hrs)

- Education Track requires 50 semester hours
- Lifelong Learning Track requires 47 semester hours

#### Education Core Requirements 18 hrs

- Education Core Requirements
- EDF 4410 Teaching Strategies and Classroom Management
- EEX 4242 Teaching Exceptional Students in Secondary Settings
- RED 4043 Content Reading in Kindergarten through Grade 12
- 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools

#### Lifelong Learning Track

- SCE 4361 Programs in Teaching Science 3 hrs

#### Pre-requisite for Internship I (Education Track)

- SCE 4361 Programs in Teaching Science 3 hrs

#### Education Track Specialization Requirements 13 hrs

- CHM 2045C Chemistry Fundamentals I
- CHM 2046 Chemistry Fundamentals II
- CHM 2046L Chemistry Fundamentals Laboratory
- MAC 2312 Calculus with Analytic Geometry II
- MAC 2313 Calculus with Analytic Geometry III
- PHY 2049C Physics for Engineers and Scientists II
- PHY 3101 Physics for Engineers and Scientists III
- SCE 4361 Programs in Teaching Science

#### Select 1:

- PHY 3752C Physics of Scientific Instruments or
- PHY 3722C Physics Laboratory-Electronics

#### 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: 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/clinicalexp/](http://www.education.ucf.edu/clinicalexp/).

#### Lifelong Learning Track Specialization 26 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.

- Theory and Practice of Teaching ESOL Students in Schools.

-为自己设定学习目标，并通过实践不断提高自己的教学技巧。学习关于教学的伦理、法律和安全问题。

- 在幼儿园到12年级的阅读内容中提供理论和实践的教学ESOL学生。

### 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
UCC Degree Programs

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification 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 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
AMH 2010  U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs
PSY 2012  General Psychology  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
Select 1:  3 hrs
  STA 1063C  Basic Statistics Using Microsoft Excel or
  STA 2014C  Principles of Statistics  3 hrs
Freshman Year - Spring
AMH 2020  U.S. History: 1877-Present  3 hrs
MAC 2311C  Calculus with Analytic Geometry I  4 hrs
ENG 1102  Composition II  3 hrs
PHI 2010  Introduction to Philosophy  3 hrs
POS 2041  American National Government  3 hrs
Freshman Year - Summer
MAC 2312  Calculus with Analytic Geometry II  4 hrs
1 EDF 2005  Introduction to the Teaching Profession  3 hrs

1 Transfer notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall
MAC 2313  Calculus with Analytic Geometry III  4 hrs
PHY 2048C  Physics for Engineers & Scientists I  4 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
Select 1:  3 hrs
  ANT 2511  The Human Species or
  BSC 1005  Biological Principles  3 hrs
Sophomore Year - Spring
CHM 2046  Chemistry Fundamentals II  3 hrs
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
PHY or PHZ 3000 or 4000 level elective  4 hrs
EDP 2270  Adult Development & Learning  3 hrs

Education Track
- EDF 2130  Child and Adolescent Development for Educators  3 hrs
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs

Junior Year - Fall
EDF 4467  Learning Theory and Assessment  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
SCE 4361  Programs in Teaching Science  3 hrs
Junior Year - Spring
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Education Track
- PHY 3101  Physics for Engineers and Scientists I  3 hrs
- SCE 3940  Internship  1 hr

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  3 hrs

Senior Year - Fall
EDF 2130  Child and Adolescent Development for Educators  3 hrs
EDP 2270  Adult Development & Learning  3 hrs

Education Track
- PHY 3101  Physics for Engineers and Scientists I  3 hrs
- SCE 3940  Internship  1 hr

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  3 hrs

Junior Year - Spring
EDF 4467  Learning Theory and Assessment  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
SCE 4361  Programs in Teaching Science  3 hrs
Senior Year - Spring
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Education Track
- PHY 3101  Physics for Engineers and Scientists I  3 hrs
- SCE 3940  Internship  1 hr

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/alca/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

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/

Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

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, 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 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
- 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) (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)
  - Required AMH 2010 U.S. History: 1492-1877 3 hrs
  - Required AMH 2020 U.S. History: 1877-Present 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy 3 hrs

- C: Mathematical Foundations (6 hrs)
  - Select 1: 3 hrs
    - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 1044C Principles of Statistics 3 hrs

- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

- D: Social Foundations (6 hrs)
  - Required POS 2041 American National Government 3 hrs
  - Required PSY 2012 General Psychology 3 hrs

- E: Science Foundations (6 hrs)
  - Prefer PSC 1121 Physical Science 3 hrs

- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 3 hrs

### 2. Common Program Prerequisites (CPP) (9 hrs)
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 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: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

**Education Track**
- Student should consult advisor regarding course options
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs

**Lifelong Learning Track**
- 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 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**
- Lifelong Learning Track requires 18 semester hours of
  - Education Core Requirements
  - Education Track requires 21 semester hours of
  - Education Core Requirements

**Lifelong Learning Track**
- SSE 4936 Programs in Teaching Social Science 3 hrs

**Education Track Specialization Requirements**
- GE 3471 World Political Geography 3 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

**Internship I Block**
- Prior to Internship I, the student must have completed
  - EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required 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.
UCF Degree Programs

- 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.education.ucf.edu/clinicalalex/

- SSE 4381: Social Science Instructional Analysis 3 hrs
- SSE 3940: Internship 3 hrs

Internship II 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/clinicalalex/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices.

Education Track

- Pass all applicable sections of the Florida Teacher Certification Examination.

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11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track

- Pass all applicable sections of the Florida Teacher Certification 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 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** 12 hrs

AMH 2010 U.S. History: 1492-1877 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

AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
POS 2041 American National Government 3 hrs

**Select 1:** 3 hrs

ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

**Freshman Year - Summer** 6 hrs

SPC 1608 Fundamentals of Oral Communication 3 hrs
PHI 2101 Introduction to Philosophy 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.oecs.ucf.edu/alc/academic_learning_compacts.htm](http://www.oecs.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.)
College of Sciences

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.
- Grades below "C" (2.0) in lower level courses are not accepted.
- Students must meet the residency requirements specified in each minor.
- 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)

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<thead>
<tr>
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<th>Course</th>
<th>Hours</th>
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<td>A: Communication Foundations</td>
<td>ENC 1101</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>ENC 1102</td>
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<tr>
<td>B: Cultural &amp; Historical Foundations</td>
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#### 1 Required if Communication option of the major is to be followed.

### Admission Requirements
- None

### UCF Degree Programs

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<thead>
<tr>
<th>Sophomore Year - Fall</th>
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<tbody>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
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<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>PSC 1121</td>
<td>Physical Science</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel or</td>
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<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
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<tr>
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<td>Introduction to Diversity for Educators</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
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<table>
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<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics and</td>
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<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
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<tr>
<td>MHS 2330</td>
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<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
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<tr>
<td>EDP 2270</td>
<td>Adult Development &amp; Learning</td>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
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<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I and</td>
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<tr>
<td>Upper Division Political Science Elective (CPO, INR, POS 3/4XXX)</td>
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<table>
<thead>
<tr>
<th>Lifelong Learning Track</th>
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<tr>
<td>Choose Lifelong Learning Specialization courses</td>
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<table>
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<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
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<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
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<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
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<td>Choose Lifelong Learning Specialization courses</td>
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<tr>
<td>RED 4043</td>
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<td>World Political Geography and</td>
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<td>SSE 3940</td>
<td>Internship and</td>
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<td>SSE 4361</td>
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<table>
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<table>
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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
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<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
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<table>
<thead>
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<tbody>
<tr>
<td>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)</td>
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<table>
<thead>
<tr>
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<th>9 hrs</th>
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<tr>
<td>Choose Lifelong Learning Specialization courses</td>
<td>9 hrs</td>
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<tr>
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<tbody>
<tr>
<td>SSE 4941</td>
<td>Internship</td>
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UNIVERSITY OF CENTRAL FLORIDA

313 Undergraduate Catalog 2014-2015
C: Mathematical Foundations (6 hrs)

Statistics:
- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

Math:
- 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
  - Preferred MGF 1107 Explorations in Mathematics or MGF 1106 Finite Mathematics (3 hrs)

D: Social Foundations (6 hrs)
Select the following course:
- Required POS 2041 American National Government (3 hrs)

Select one method’s course:
- Required ANT 2000 General Anthropology or PSY 2012 General Psychology or 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 STA 2023 Statistical Methods I (GEP)

Select at least three of the following, depending on concentrations to be taken:
- Required ANT 2000 General Anthropology (GEP)
- Required POS 2041 American National Government (GEP)
- Required SYG 2000 Introduction to Sociology (GEP)

4. Core Requirements: Advanced Level (57 hrs)
Select one methods’ course:
- Required STA 2023 Statistical Methods I (GEP)

5. 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)

6. Capstone Requirements
- Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

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:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Crime, Law, and Deviance
  - Diplomacy
  - Diversity and Social Inequality
  - European Studies
  - Human Communication
  - International and Global Studies
  - 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

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 a standardized 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
- None

Related Programs
- Anthropology
- Interdisciplinary Studies - Liberal Arts Track
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Certificates
- None

Related Minors
- Anthropology
- Economics
- Human Communication
- Political Science
- Psychology
- Public Administration
- Sociology

Advising Notes
- Students should seek advising in the Sociology department.

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://utcf.sdes.ucf.edu

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<th>Fall</th>
<th>Spring</th>
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<td>ENC 1101 (Composition I)</td>
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<td>Foreign Language</td>
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<td>GEP</td>
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<tr>
<td></td>
<td>ENC 1102</td>
<td>ENC 1102</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>Foreign Language</td>
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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

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 (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 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.
- 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)
- Communication
  - Prefer SPC 1608 Fundamentals of Oral Communication
- Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)

B: Cultural & Historical Foundations (9 hrs)
- C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
- Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I (3 hrs)
UCF Degree Programs

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)
Suggested POS 2041 American National Government 3 hrs
Suggested PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
Suggested BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs
Prefer PSC 1121 Physical Science or 3 hrs
Suggested AST 2002 Astronomy 3 hrs

2. Common Program Prerequisites (CPP) (6 hrs)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (45 hrs)

Suggested Principles of Microeconomics 3 hrs

Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Required Principles of Statistics 3 hrs
- Choose one of the following suggested courses, or see advisor for more options:
  STA 2014C Principles of Statistics 3 hrs
  STA 2023 Statistical Methods I 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
Academic 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
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: SYG 2000 Introduction to Sociology 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: SYG 2000 Introduction to Sociology 3 hrs

**Sophomore Year - Fall** 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- SOW 2020 Careers in Creating Social Change 3 hrs
- Select 1: ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Select 1: MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Sophomore Year - Spring** 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Select 1: CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- AST 2002 Astronomy 3 hrs
- Select 1: EUH 2000 Western Civilization I or 3 hrs
- WOH 2012 World Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- Foreign Language I or Cultural Diversity 3 hrs

**Sophomore Year - Summer** 6 hrs
- Select 1: SOW 3104 Assessing I: Human Development 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 Assessing I: Human Development 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 Assessing II: Human Systems 3 hrs
- SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs

**Senior Year - Summer** 4 hrs
- SOW 4510 Field Education 3 hrs
- SOW 4941 Internship 4 hrs

**Senior Year - Fall** 15 hrs
- SOW 3620 Culturally Competent Social Work Practice 3 hrs
- SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
- SOW Elective 3 hrs

**Senior Year - Spring** 12 hrs
- SOW 4522 Field Education Seminar 3 hrs
- Free Elective 3 hrs

For part-time students ONLY
1 For Full-time students ONLY
2 For part-time students ONLY

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

Sociology (B.A.)

College of Sciences
Department of Sociology
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. J. Jasinski, Jana.Jasinski@ucf.edu
Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. 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 presentation 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, 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, and research analyst.

UNIVERSITY OF CENTRAL FLORIDA 317 Undergraduate Catalog 2014-2015
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 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used 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 3905, 4906, 5907, 5917, 3940, 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: Select one listed course 3 hrs
   Statistics: Select one listed course 3 hrs
   Social Sciences Required 3 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, including possible substitutions.
   SYG 2000 Introduction to Sociology 3 hrs
   SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level (12 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.
   SYG 2000 Introduction to Sociology GEP
   SYA 3110 Social Theory CPP

4. Core Requirements: Advanced Level (12 hrs)
   SYA 4300C Research Methods 4 hrs
   SYA 4450 Data Analysis 4 hrs
   SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)
   Select from the following courses:
   - All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.
   - SYA 4650C Community Action and Involvement 3 hrs
   - SYA 5652 ProSeminar 3 hrs
   - SYA 5652 Advanced Population 3 hrs
   - SYD 3410 Urban Society 3 hrs
   - SYD 3700 Race and Ethnicity 3 hrs
   - SYD 4510 Environment and Society 3 hrs
   - SYD 4810 Women in Contemporary Society 3 hrs
   - SYD 4813 Women, Law and Social Change 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - SYO 3000 Contemporary Society 3 hrs
   - SYO 3360 Social Organization and Human Relations 3 hrs
   - SYO 3410 Patterns of Mental Health in Society 3 hrs
   - SYO 3530 Social Power and Inequality 3 hrs
   - SYO 4100 Family Trends 3 hrs
   - SYO 4200 Religion in Society 3 hrs
   - SYO 4250 Education and Social Achievement 3 hrs
   - SYO 4300 Political Sociology 3 hrs
   - SYO 4400 Medical Sociology 3 hrs
   - SYP 3300 Fads, Crowds, and Social Action 3 hrs
   - SYP 3400 Social Change 3 hrs
   - SYP 3510 Sociology of Deviant Behavior 3 hrs
   - SYP 3511 Sociology of Murder 3 hrs
   - SYP 3520 Criminology 3 hrs
   - SYP 3530 Juvenile Delinquency 3 hrs
   - SYP 3540 Sociology of Law 3 hrs
   - SYP 3551 Patterns of Alcoholism in Society 3 hrs
   - SYP 3562 Patterns of Domestic Violence in Society 3 hrs
   - SYP 3602 Patterns of Popular Music in Society 3 hrs
   - SYP 3630 Popular Culture In Society 3 hrs
   - SYP 3650 Sports and Society 3 hrs
   - SYP 4000 Sociological Social Psychology 3 hrs
   - SYP 4004 Constructing Social Issues 3 hrs
   - SYP 4514 Patterns of Violence in Society 3 hrs
   - SYP 4521 Crime Victims in Society 3 hrs
   - SYP 4536 Gangs and Society 3 hrs
   - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
   - SYP 4730 Patterns of Aging in Society 3 hrs
   - SYP 4732 Minority Aging 3 hrs
   - SYP 5525 Sociological Criminology 3 hrs
   - SYD 3800 Sex and Gender in Society 3 hrs
   - SYD 4020 Birth, Death, and Population Trends 3 hrs

Internship:

- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
- SYP 3940 Internship or 3 hrs
- SYP 4941 Internship or 3 hrs
- SYP 5944 Internship 3 hrs
- All special topics courses with the prefixes SYA, SYD, SYP 3 hrs
- SYO, or SYP

6. Capstone Requirements

- None

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.

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

- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of “C” (2.0) in all core courses.
- Students will be required to take a standard 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
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Psychology
- Sociology
- 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 (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000; although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

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://utcc.sdes.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
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 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 3110 Social Theory 3 hrs
- SYA 4450 Data Analysis 4 hrs
- Free Elective 3 hrs
- Free Elective 4 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
- Fre 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.oem.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

Spanish (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures,

Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/
Email: ffilac@ucf.edu

Phone: 407-823-2472

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.
- 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

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)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 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)
   - SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
   - SPN 3420 Spanish Composition 3 hrs
   - 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

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 of the following 3 hrs
- SPN 4800 Spanish-American Syntax 3 hrs
- SPN 4760 Spanish Phonetics 3 hrs
- SPN 3852 Bilingüismo 3 hrs

Spanish literature beyond the survey level 6 hrs
- Taught in Spanish
- Culture and Civilization 3 hrs
Select 1: 3 hrs
- SPN 4510 Spanish Civilization and Culture or 3 hrs
- SPN 4520 Latin American Civilization and Culture 3 hrs

6. Capstone Requirements (9 hrs)

7. Foreign Language Requirements

Admissions
- Met by Graduation requirements.

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. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
- 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
- French

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.
- 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
Program Academic Learning Compacts

- Complete program prerequisite courses prior to enrollment in Sport and Exercise Science Practicum to ensure readiness for admission to the major and upper level courses.

- Have a minimum 2.5 overall GPA.

- Complete program prerequisite courses prior to admission to the major and upper level courses.

To view the UCF Degree Programs, visit the Undergraduate Catalog 2014-2015 webpage.
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.

6. Capstone Requirements (12 hrs)
- Select 1: 9 hrs
  - PET 4926 Sport and Exercise Science Practicum or
  - Take 3 additional electives in the program approved by the advisor

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.
- 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, Human Performance and Community Sport and Fitness Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- GEP section B.2 3 hrs

Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- PET 3005 Introduction to Sport and Exercise Science 3 hrs
- Elective Courses (2000 level or higher) 6 hrs

Sophomore Year - Spring
- CGS 1060C Introduction to Computers or
- STA 1063C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Fall
- PET 3007 Health and Wellness 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- Elective Course (2000 level or higher) 3 hrs
- ZOO 3736C Exercise Physiology Anatomy 4 hrs

Human Performance Track
- Junior Year - Fall
  - PET 4312C Kinesiology/Biomechanics 3 hrs
  - PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
  - APK 4110C Exercise Physiology 3 hrs
## 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)

## Statistics (B.S.)

### College of Sciences

#### Department of Statistics,

- Computer Center II, Room: 212
- 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.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- 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.
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

### 1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.
- A: Communication Foundations (9 hrs)
- B: Cultural & Historical Foundations (9 hrs)
UCF Degree Programs

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)
Economics
Prefer ECO 2013 Principles of Macroeconomics  3 hrs

Social Sciences: Select one.
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 (8 hrs)

Life Science:
Required
BSC 2010C Biology I  4 hrs

Physical Science:
Required
CHM 2045C Chemistry Fundamentals I or  4 hrs
Required
PHY 2053C College Physics I  4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.

COP 3223 Introduction to Programming with C  3 hrs
MAC 2311C Calculus with Analytic Geometry I GEP  3 hrs
MAC 2312 Calculus with Analytic Geometry II GEP  4 hrs
MAC 2313 Calculus with Analytic Geometry III GEP  4 hrs
STA 2023 Statistical Methods I  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.
- Biology majors’ courses with labs or Chemistry majors’ courses with labs or Physics majors’ courses with labs

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;

Core: Required, satisfies the CPP
COP 3223 Introduction to Programming with C and 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
STA 2023 Statistical Methods I  3 hrs

- 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  or GEP/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  3 hrs
CHM 2041 Chemistry Fundamentals IB  3 hrs

- or complete both
- Lecture plus lab count as one semester.
CHM 2046 Chemistry Fundamentals II and  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  3 hrs

4. 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
COT 4500 Numerical Calculus  3 hrs

Select from the following courses;

MA 3105 Matrix and Linear Algebra  4 hrs
MA 3106 Linear Algebra  4 hrs

Select from the following courses;

COT 3100C Introduction to Discrete Structures  3 hrs
MHP 3302 Logic and Proof in Mathematics  3 hrs

Select from the following courses;

STA 3096 Statistical Graphics  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 4664 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
MHP 4404 History of Mathematics  3 hrs
All MAE 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 3403C Business Finance  3 hrs

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each STA course.
- 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

### Advising Notes
- 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. 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 still may 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](http://knightsource.sdes.ucf.edu/placement)
- Prior to enrolling in Math, take Math Placement Test ~
  [http://litc.sdes.ucf.edu](http://litc.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
- **13 hrs**
  - 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
- **15 hrs**
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - BSC 2010C Biology I 4 hrs
  - ENC 1102 Composition II 3 hrs

### Select one course:
- **4 hrs**
  - CHM 2045C Chemistry Fundamentals I or 4 hrs
  - PHY 2053C College Physics I 4 hrs

### Sophomore Year - Fall
- **16 hrs**
  - 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
- **15 hrs**
  - STA 4164 Statistical Methods III 3 hrs
  - COP 3223 Introduction to Programming with C 3 hrs
  - Core Course 3 hrs
  - Core Course 4 hrs

### Junior Year - Fall
- **15 hrs**
  - STA 4321 Statistical Theory I 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - Core Course 3 hrs
  - Core Course 3 hrs

### Junior Year - Spring
- **16 hrs**
  - STA 4322 Statistical Theory II 3 hrs
  - Core Course 3 hrs
  - Free Elective 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs

### Senior Year - Fall
- **15 hrs**
  - STA 4163 Statistical Theory II 3 hrs
  - Core Course 3 hrs
  - Elective / Minor 3 hrs
  - Elective / Minor 3 hrs
  - Take SOA EXAM P (Probability).

### Senior Year - Spring
- **15 hrs**
  - GEP 3 hrs
  - GEP 3 hrs
  - Elective / Minor 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.oels.ucf.edu/alc/academic_learning_compacts.htm](http://www.oels.ucf.edu/alc/academic_learning_compacts.htm)

#### Technical Education and Industry Training (B.S.)

#### College of Education and Human Performance

#### Department of Educational and Human Sciences, Education Complex, Room: ED 123 N

Dr. Jo Ann M. Whiteman, ED 123 N. JoAnn.Whiteman@ucf.edu, 407-325-6293

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/](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.

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) (9 hrs)
   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
   3. Core Requirements: Basic Level
   ■ None
   4. Core Requirements: Advanced Level (57 hrs)
   ADE 4362 Teaching Adult Learners in Technical Programs 3 hrs
   ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
   ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
   ECW 3564 Special Populations in Career & Technical Education 3 hrs
   ECT 4004 Principles and Practices of Technical Education 3 hrs
   ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
   ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
   Select 1: 3 hrs
   BTE 4410 Course Construction in Business Education 3 hrs
   ECW 3312 Course Construction in Health Occupations Education or 3 hrs
   ECT 3371 Course Construction in Industrial Education 3 hrs
   Technical Specialization Requirements 30 hrs
   ■ Students must complete an area of specialization through occupation-specific courses approved by an advisor.
   5. Restricted Electives (18 hrs)
   Upper Division Electives 6 hrs
   ■ With advisor’s approval
   Directed Field Experience 12 hrs
   ■ 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
   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.

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 1108 Finite Mathematics 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Social Foundations Course 3 hrs
Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs
Cultural-Historical Foundations Course 3 hrs
Social Foundations Course 3 hrs

Sophomore Year - Fall 12 hrs
EDF 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
EDF 2085 Introduction to Diversity for Educators 3 hrs
Technical Specialization Course 3 hrs
Technical Specialization Course 3 hrs
Science Foundations Course 3 hrs
Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
ECT 3367 Evaluation of Career & Technical Education 3 hrs

Select 1: 3 hrs
ECW 3564 Special Populations in Career & Technical Education 3 hrs
ECT 3312 Course Construction in Health Occupations Education or 3 hrs
ECT 3371 Course Construction in Industrial Education 3 hrs
The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in Acting, Stage Management, or Design & Technology. The BFA is also 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 generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements

- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.

- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu.
- All Acting students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- 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.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fail start for proper course sequencing. Students are not accepted to begin 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 adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Students of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major
- Students must consult with a departmental advisor before registering each semester. 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.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department
- Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew/backstage assignment, one must be a front of house assignment, and the final one can be chosen by the student.
- Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their...
UCF Degree Programs

Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.

- All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study.
- All BFA Theatre majors who participate in production work 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. Students may also 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.
- Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.

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.

- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

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

2 Required ARH 2051 History of Western Art II 3 hrs

1 This course is only taught during the fall semesters.

2 Design & Technology Students select ARH 2051 (History of Western Art II)

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)

1 Stage Management Students select PSY 2012 (General Psychology) 3 hrs

E: Science Foundations (6 hrs)

1 See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

2. Common Program Prerequisites (CPP) (20 hrs)

- THE 2020 Survey of Theatre for Majors GEP 3 hrs

1 THE 2305 Script Analysis for Theatre 3 hrs

THE 2925L Theatre Participation 1 hr

TPA 2290L Theatre Participation-Production I 1 hr

TPP 2110C Acting I - Introduction 3 hrs

Theatre Electives (THE, TPP, TPA prefix) 9 hrs

Acting students select: 3 hrs

TPA 2200 Introduction to Technical Theatre and 2 hrs

TPA 2200L Intro to Technical Theatre Lab 1 hr

3. Core Requirements: Basic Level (12 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

THE 4984 Theatre Exit Critique 0 hrs

1 See Transfer Notes for possible substitutes.

4. Core Requirements: Advanced Level (61 hrs)

Specialization: select one area

Acting Specialization 58 hrs

TPA 2248C Makeup Techniques and 2 hrs

DAA 2200C Ballet I and 2 hrs

TPP 2170C Acting II -The Actor Prepares and 3 hrs

TPP 3173C Acting III -Building the Character and 3 hrs

TPP 4140C Acting IV - Creating the Role and 3 hrs

TPP 4142C Acting Verse and 3 hrs

TPP 4265C Camera Acting and 3 hrs

TPP 2710C Voice Production I and 2 hrs

TPP 3711C Voice Production II and 2 hrs

TPP 3712C Voice Production III and 2 hrs

TPP 4730C Dialects and 2 hrs

TPP 3510C Movement for the Actor I and 2 hrs

TPP 3513C Movement for the Actor II and 2 hrs

TPP 4531C Period Movement and 2 hrs

TPP 4532C Stage Combat and 2 hrs

TPP 3256C Musical Theatre Voice I and 2 hrs

TPP 3258C Musical Theatre Voice II and 2 hrs

TPP 4221 Auditioning and 3 hrs

TPP 4223C Theatre Careers for Performance and 3 hrs

TPP 2190L Theatre Participation-Performance I and 1 hr

TPP 4940L Theatre Internship and 6 hrs

Restricted Electives (Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

Select 1: 2 hrs

DAA 2570C Jazz Dance I or 2 hrs

DAA 2100C Modern Dance I 2 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

Stage Management Specialization 55 hrs

TPA 2210L Stagecraft I Lab and 1 hr

TPA 2211L Stagecraft II Lab and 1 hr

TPA 4298L Theatre Participation-Production II and 1 hr

TPA 4298L Theatre Participation-Production II and 1 hr

TPP 4400 Theatre Management and 3 hrs

TPA 2220C Stage Electronics and 3 hrs

TPP 2600 Stage Management Basics and 3 hrs

TPP 3601 Stage Management and 3 hrs

TPP 4602 Advanced Stage Management and 3 hrs

TPA 3195L Summer Theatre Studio/Design I and 3 hrs

TPA 3197L Summer Theatre Studio/Design II and 3 hrs

THE 4284 Period Costume, Architecture, and Decor I and 3 hrs

THE 4285 Period Costume, Architecture, and Decor II and 3 hrs

TPA 4401C Theatre Careers in Production and 3 hrs

TPA 4250C CADD for Theatre and 2 hrs

TPP 3103 Intermediate Acting and 3 hrs

TPA 2211 Stagecraft II and 3 hrs
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.
- 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
- None

Related Programs
- Art
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

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.
- 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. 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 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
  - TPA 2200 may be substituted with any introductory Stagecraft course.
  - TPP 3310C Directing for Theatre I may be substituted with TPP 2300

1 Or any introductory Theatre Directing course.
Plan of Study

Acting

Freshman Year - Fall 16 hrs
THE 2020  Survey of Theatre for Majors  3 hrs
TPA 2710C  Acting I - Introduction  2 hrs
THE 2305  Script Analysis for Theatre  3 hrs
TPP 3510C  Movement for the Actor I  2 hrs
GEP Mathematical Foundation  3 hrs
ENC 1101  Composition I  3 hrs
Freshman Year - Spring 16 hrs
TPP 3711C  Voice Production II  2 hrs
TPP 2110C  Acting I - Introduction  3 hrs
TPP 3513C  Movement for the Actor II  2 hrs
TPA 2248C  Makeup Techniques  2 hrs
THE 2925L  Theatre Participation  1 hr
General Education  3 hrs
ENC 1102  Composition II  3 hrs
Sophomore Year - Fall 16 hrs
TPA 2200  Introduction to Technical Theatre  2 hrs
TPA 2200L  Intro to Technical Theatre Lab  1 hr
THE 3311  Theatre History and Dramatic Literature I  3 hrs
TPP 2170C  Acting II-The Actor Prepares  3 hrs
DAA 2200C  Ballet I  2 hrs
TPP 3711C  Voice Production III  2 hrs
General Education  3 hrs
Select One:  2 hrs
DAA 2570C  Jazz Dance I or  2 hrs
DAA 2100C  Modern Dance I  2 hrs
Junior Year - Fall 16 hrs
TPP 4140C  Acting IV - Creating the Role  3 hrs
TPP 4531C  Period Movement  2 hrs
TPP 4221C  Voice Production III  2 hrs
THE 3312  Theatre History and Dramatic Literature II  3 hrs
TPP 4221A  Auditioning  3 hrs
General Education  3 hrs
Junior Year - Spring 16 hrs
TPP 3257C  Musical Theatre Voice I  2 hrs
TPP 3713C  Acting III - Building the Character  3 hrs
THE 3313  Theatre History and Dramatic Literature III  3 hrs
TPP 3310C  Directing for Theatre I  3 hrs
General Education  3 hrs
Select One:  3 hrs
TPA 3223C  Lighting Design for Theatre I or  3 hrs
TPA 3265C  Sound Design for Theatre I  3 hrs
Junior Year - Summer 6 hrs
TPP 4940L  Theatre Internship  6 hrs
Senior Year - Fall 15 hrs
TPP 4401C  Theatre Careers in Production  3 hrs
THE 2925L  Theatre Participation  1 hr
TPP 3060C  Period Costume, Architecture, and Decor I  3 hrs
TPP 3310C  Directing for Theatre I  3 hrs
THE 4954  Theatre Exit Critique  0 hrs
Theatre Elective  3 hrs
General Education  3 hrs
Senior Year - Spring 12 hrs
TPP 4532C  Stage Combat  2 hrs
THE 2925L  Theatre Participation  1 hr
Theatre Elective  3 hrs
Theatre Elective  3 hrs
General Education  3 hrs
Design & Technology

Freshman Year - Fall 15 hrs
1 THE 2020  Survey of Theatre for Majors  3 hrs
TPA 2210  Stagecraft I  3 hrs
TPA 2210L  Stagecraft I Lab  1 hr
TPP 2110C  Acting I - Introduction  3 hrs
TPA 4250C  CADD for Theatre  2 hrs
TPA 2600  Stage Management Basics  3 hrs
Freshman Year - Spring 16 hrs
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theater classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre 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.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- 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 adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum "B" (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than "C" (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than "C" (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.
UCF Degree Programs

- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- 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 which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- 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.
- All BFA 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 also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.
- 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 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

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 1.B.1 list 3 hrs
   Select one course from 1.B.1 or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   Math:
   - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   - 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

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.
   - THE 2305 Script Analysis for Theatre 3 hrs
   - THE 2925L Theatre Participation 1 hr
   - TPA 2290L Theatre Participation-Production I 1 hr
   - TPA 2200L Intro to Technical Theatre Lab 1 hr
   - 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 (23 hrs)

   - MUT 1121 Music Theory and Musicianship I 4 hrs
   - MUT 1122 Music Theory and Musicianship II 4 hrs
   - 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
   - TPA 2248C Makeup Techniques 2 hrs
   - TPP 2170C Acting II - The Actor Prepares 3 hrs

4. Core Requirements: Advanced Level (50 hrs)

   - TPP 3173C Acting III - Building the Character 3 hrs
   - TPP 4404C Acting IV - Creating the Role 3 hrs
   - TPP 3251 Musical Theatre Acting I 3 hrs
   - TPP 3252 Musical Theatre Acting II 3 hrs
   - THE 4244 Musical Theatre History I 3 hrs
   - THE 4245 Musical Theatre History II 3 hrs
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - TPP 3257C Musical Theatre Voice I 2 hrs
   - TPP 3258C Musical Theatre Voice II 2 hrs
   - TPP 4259C Musical Theatre Voice III 2 hrs
   - TPP 4923C Musical Theatre Voice IV 2 hrs
   - TPP 4746C Musical Theatre Repertoire 2 hrs
   - TPP 4940L Theatre Internship 6 hrs
   - TPP 4223C Theatre Careers for Performance 3 hrs
   - TPP 3310C Directing for Theatre I 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs
   - Select 2 2 hrs
   - TPA 4298L Theatre Participation-Production II or Theatre Participation-Production I or Theatre Participation I 1 hr
   - THE 4093L Theatre Participation-Management II or Theatre Participation-Management I 1 hr
   - TPP 4193L Theatre Participation-Performance II or Theatre Participation-Performance I 1 hr

Movement Electives 2 hrs
- TPP 4531 Period Movement, TPP 4512C Stage Combat, or any DAA or DAN courses not already required, taught by the department, and with departmental approval.

5. Restricted Electives

   - Any THE, TPA, 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

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
■ 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.

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
■ Film
■ Music
■ Theatre Studies

Certificates
■ None

Related Minors
■ Music
■ Film - Cinema Studies
■ Theatre
■ Dance

Advising Notes
■ None

Transfer Notes
■ 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 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:
  1. THE 2020 Survey of Theatre for Majors 3 hrs
  may be substituted with:
   ■ THE 2305 Script Analysis for Theatre 3 hrs
   ■ may be substituted with: THE 2303 1 hrs
   ■ TPA 2200 Introduction to Technical Theatre 2 hrs
   ■ may be substituted with: TPA 2210
   ■ TPP 3310C Directing for Theatre I 3 hrs
   ■ may be substituted with: TPP 2300

  1. may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study

Freshman Year - Fall
■ THE 2020 Survey of Theatre for Majors 3 hrs
■ DAA 2200C Ballet I 2 hrs
■ THE 2305 Script Analysis for Theatre 3 hrs
■ MUT 1121 Music Theory and Musicanship I 4 hrs
■ General Education 3 hrs
■ THE 2925L Theatre Participation 1 hr

Freshman Year - Spring
■ TPP 2110C Acting I - Introduction 3 hrs
■ TPP 3257C Musical Theatre Voice I 2 hrs
■ DAA 2201C Ballet II 2 hrs
■ MUT 1122 Music Theory and Musicanship II 4 hrs
■ General Education 3 hrs
■ THE 2925L Theatre Participation 1 hr

Sophomore Year - Fall
■ TPP 2170C Acting II - The Actor Prepares 3 hrs
■ THE 4244 Musical Theatre History I 3 hrs
■ DAA 2570C Jazz Dance I 2 hrs
■ TPP 3251 Musical Theatre Acting I 3 hrs
■ TPP 3258C Musical Theatre Voice II 2 hrs
■ General Education 3 hrs

Sophomore Year - Spring
■ DAA 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 4259C Musical Theatre Voice III 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 - Fall
■ TPA 2248C Makeup Techniques 2 hrs
■ THE 4245 Musical Theatre History II 3 hrs
■ TPP 4140C Acting IV - Creating the Role 3 hrs
■ TPP 4923C Musical Theatre Voice IV 2 hrs
■ General Education 3 hrs
■ TPA 2925L Theatre Participation 1 hr

Junior Year - Spring
■ TPP 4223C Theatre Careers for Performance 3 hrs
■ TPP 4746C Musical Theatre Repertoire 2 hrs
■ THE 3312 Theatre History and Dramatic Literature II 3 hrs
■ TPP 3252 Musical Theatre Acting II 3 hrs
■ General Education 3 hrs
■ THE 2925L Theatre Participation 1 hr

Junior Year - Summer
■ TPP 4940L Theatre Internship 6 hrs

Senior Year - Fall
■ TPP 3310C Directing for Theatre I 3 hrs
■ DAA 2520C Tap Dance I 2 hrs
■ General Education 3 hrs
■ THE 4954 Theatre Exit Critique 0 hrs
■ TPP 4746C Musical Theatre Repertoire 2 hrs
■ General Education 3 hrs
■ General Education 3 hrs

Senior Year - Spring
■ Movement Elective 2 hrs
■ General Education 3 hrs
■ TPP 4253C Musical Theatre Acting III 3 hrs
■ General Education 3 hrs
■ General Education 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
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. Upon graduation, UCF students who desire to pursue further education or enter the job market 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 a 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 at your interview appointment. Scholarship decisions are usually finalized in August prior to the Fall semester.

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.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from the program.
- Co-op credit cannot be used in this major.
- 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.
- 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 also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at [http://www.theatre.ucf.edu](http://www.theatre.ucf.edu).
- 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.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required: THE 2020 Survey of Theatre for Majors 3 hrs
     - Select one course from GEP 1.1 list 1 hr
     - Select one course from GEP 1.2 list 1 hr
   - B: Cultural & Historical Foundations (9 hrs)
     - Required: THE 2925L Theatre Participation 1 hr
     - TPA 2290L Theatre Participation-Production I 1 hr
     - TPA 2200L Intro to Technical Theatre Lab 2 hrs
     - TPP 2110C Acting I - Introduction 3 hrs
     - Theatre Elective (THE, TPP, TPA Prefix) 9 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 Test.
   - 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) (20 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 THE 2020 Survey of Theatre for Majors GEP
   - THE 2305 Script Analysis for Theatre 3 hrs
   - THE 2925L Theatre Participation 1 hr
   - TPA 2290L Theatre Participation-Production I 1 hr
   - TPA 2200L Intro to Technical Theatre Lab 2 hrs
   - TPP 2110C Acting I - Introduction 3 hrs
   - Theatre Elective (THE, TPP, TPA Prefix) 9 hrs
   - 1 See Transfer Notes for possible substitutes

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
   - TPP 3310C Directing for Theatre I 3 hrs
   - THE 4854 Theatre Exit Critique 0 hrs
   - Select 1: 1 hr
     - TPA 4298L Theatre Participation-Production II or 1 hr
     - THE 4933L Theatre Participation-Management II or 1 hr
     - TPA 4193L Theatre Participation-Performance II or 1 hr

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.
- The student must provide all supporting information.

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 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.

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.

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.

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.

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.

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 3 hrs may be substituted with: THE 2305 Script Analysis for Theatre 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs may be substituted with: TPA 2210 Directing for Theatre I 3 hrs
- TPP 3310C Acting I - Introduction 3 hrs may be substituted with: TPP 2190

Plan of Study
- Freshman Year - Fall
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - TPA 2200 Introduction to Technical Theatre 2 hrs
  - TPP 3310C Acting I - Introduction 3 hrs
  - General Education 3 hrs
  - ENC 1101 Composition I 3 hrs
  - General Education 3 hrs

- Freshman Year - Spring
  - THE 2305 Script Analysis for Theatre 3 hrs
  - TPA 2200 Introduction to Technical Theatre 2 hrs
  - TPP 2200L Intro to Technical Theatre Lab 1 hr
  - General Education 3 hrs
  - Theatre Elective 3 hrs
  - General Elective 3 hrs

- Sophomore Year - Fall
  - General Education 3 hrs
  - Theatre Elective 3 hrs
  - THE 2925L Theatre Participation 1 hr
  - General Education 3 hrs
  - General Education 3 hrs
  - General Education 3 hrs

- Sophomore Year - Spring
  - 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
  - TPA 2290L Theatre Participation-Production I 1 hr
  - THE 3312 Theatre History and Dramatic Literature II 3 hrs
  - General Education 3 hrs
  - General Education 3 hrs
  - General Education 3 hrs

- Junior Year - Spring
  - 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

- Senior Year - Fall
  - THE 4954 Theatre Exit Critique 0 hrs
  - General Elective 3 hrs
  - Theatre Elective 3 hrs
  - THE 2925L Theatre Participation 1 hr
  - General Elective 3 hrs
  - General Elective 3 hrs
  - General Elective 3 hrs

- Senior Year - Spring
  - General Elective 3 hrs
  - Theatre Elective 3 hrs
  - General Elective 3 hrs
  - Theatre 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

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
World Languages Education - French (B.S.)

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209

http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430

The World Languages Education - French B.S. program offers students the option of two tracks: World Languages Education - French Track and World Languages Education - French 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 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-5.668.

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)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2101 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2201 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

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
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRW 3100 Survey of French Literature I 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: Basic Level (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours

Education Track 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2270 Adult Development & Learning 3 hrs

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 67 semester hours

Education Core Requirements 18 hrs
- EDF 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
- 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 (Education Track)
2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

Education Track Specialization Requirements 24 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1 Required prior to Internship I.
2 FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

Internship I 3 hrs
- Program Internship I Prerequisites: EDF 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.

UNIVERSITY OF CENTRAL FLORIDA
Lifelong Learning Track Specialization

- 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.

Other Cognate Requirements (Linguistics)

- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3780 French Phonetics and Diction 3 hrs

Internship II

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. 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.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (French 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.

FLE 3940 Internship 3 hrs

Other Cognate Requirements (Linguistics)

- FRE 3780 French Phonetics and Diction 3 hrs

Internship II Specialization 39 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.

FRE 3760 Advanced French Oral Communication 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRE 4421 Advanced French Composition 3 hrs
Upper division electives (FRE/FRR 3/4000 with advisor’s consent) 3 hrs
FLE 4333 Foreign Language Teaching in the Elementary 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 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2104C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2040C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3484 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C 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
COM 3311 Communication Research Methods 3 hrs
COM 3330 Computer Mediated Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
SPC 3425C Group Interaction and Decision-Making 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 4331 Nonverbal Communication 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.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification 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 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
- **Recommended Four Year Sequence of Courses**

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- **Select 1:**
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

#### Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

#### Sophomore Year - Fall
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
- **Select 1:**
  - STA 2014C Principles of Statistics or 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Spring
- EDF 2095 Introduction to Diversity for Educators 3 hrs
- EME 2100 Introduction to Technology for Educators 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs

#### Sophomore Year - Summer
- FRE 3420 French Composition 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
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

#### Junior Year - Spring
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

#### Education Track
- **12 hrs**
  - FRE 4421 Advanced French Conversation and 3 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

#### Lifelong Learning Track
- **6 hrs**
  - Choose Lifelong Learning Specialization courses 6 hrs

#### Senior Year - Fall
- FLE 3940 Internship and 3 hrs
- **Senior Year - Spring**
- **12 hrs**
  - FHE 4941 Internship 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: $12 per term
- Full-Time Student: $24 per term

### World Languages Education - Spanish (B.S.)
- **College of Education and Human Performance**
- **School of Teaching, Learning, and Leadership, Education Building, Room: 209**
- **Email:** kverkler@mail.ucf.edu
- **http://www.education.ucf.edu/language**
- **Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235**
- **Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu, 407-823-5430**

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 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).

### 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
- Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer ANH 2010 U.S. History: 1492-1877 3 hrs
- Prefer ANH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 1062 Introduction to Statistics 3 hrs
- Prefer STA 2012C 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 (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) (21 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2005 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
2 SPW 3100 Survey of Spanish Literature I 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.

2 SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101

3. Core Requirements: Basic Level (3 hrs)

- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours
- Students should consult advisor regarding course options.

Education Track 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
SPN 2201 Intermediate Spanish Language and Civilization II CPP
SPN 3300 Advanced Spanish Grammar and Composition CPP
SPN 3420 Spanish Composition CPP
SPW 3100 Survey of Spanish Literature I CPP

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 6 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 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 EDF 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 in Schools 3 hrs
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
1 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: 3 hrs
- SPN 3852 Bilinguismo or 3 hrs
- SPN 4800 Spanish-American Syntax or 3 hrs
- SPN 4801 Spanish Morphosyntax 3 hrs

Internship I 3 hrs

- Program Internship I Prerequisites: EDF 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: 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.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 12 hrs

Lifelong Learning Track Specialization 39 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.

SPN 3760 Advanced Spanish Oral Communication 3 hrs
SPW 3301 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 4410 Advanced Spanish Conversation 3 hrs
SPN 4421 Advanced Spanish Composition 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 3852 Bilinguismo 3 hrs
SPN 4800 Spanish-American Syntax 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs
Upper division electives (SPN 34/XXX with advisor’s consent) 3 hrs
PLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
PLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C 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 3708 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

UCF Degree Programs

Courses to graduate.

Approval.

In accordance with State Board of Education Rule 6A-5.066.


Internship II.

Professional, specialization and overall for admission to Internship II.

Achieve a minimum 2.5 GPA in all courses within the major.

Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track

Drop all applicable sections of the Florida Teacher Certification Examination.

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

Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
AMH 2010 U.S. History: 1492-1877 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  
AMH 2020 U.S. History: 1877-Present 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  
PHI 2010 Introduction to Philosophy 3 hrs  
SPN 2201 Intermediate Spanish Language and Civilization II 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: 3 hrs  
STA 2014C Principles of Statistics or STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  

Education Track 3 hrs  
EDF 2130 Child and Adolescent Development for Educators 3 hrs  

Lifelong Learning Track 3 hrs  
EDF 2130 Child and Adolescent Development for Educators 3 hrs  
EDP 2270 Adult Development & Learning 3 hrs  

Sophomore Year - Spring 12 hrs  
EDF 2085 Introduction to Diversity for Educators 3 hrs  
EME 2040 Introduction to Technology for Educators 3 hrs  
SPN 3420 Spanish Composition 3 hrs  
Select 1: 3 hrs  
BSC 1005 Biological Principles or ANT 2511 The Human Species 3 hrs  

Sophomore Year - Summer 3 hrs  
SPW 3100 Survey of Spanish Literature I 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 II 3 hrs  
SPN 3780 Advanced Spanish Oral Communication and 3 hrs  
SPW 3101 Survey of Spanish Literature II and 3 hrs  
SPN 4520 Latin American Civilization and Culture 3 hrs  

Lifelong Learning Track 12 hrs  
Choose Lifelong Learning Specialization courses 12 hrs  

Senior Year - Spring 12 hrs  
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs  

Education Track 1 hr  
FLE 3940 Internship 3 hrs  

Select 1: 3 hrs  
SPN 4410 Advanced Spanish Conversation or SPN 4421 Advanced Spanish Composition or SPN 4510 Spanish Civilization and Culture 3 hrs  

Select 1: 3 hrs  
SPN 3852 Bilinguismo or SPN 4800 Spanish-American Syntax or SPN 4801 Spanish Morphosyntax 3 hrs  

Lifelong Learning Track 9 hrs  
Choose Lifelong Learning Specialization courses 9 hrs  

Senior Year - Fall 12 hrs  
Education Track 12 hrs  
FLE 4941 Internship 12 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.oelas.ucf.edu/alc/academic_learning_compacts.htm  

Equipment Fees  
- Part-Time Student: $12 per term  
- Full-Time Student: $24 per term  

Writing and Rhetoric (B.A.)  
College of Arts and Humanities  
Department of Writing and Rhetoric  
Email: writingandrhetoric@ucf.edu  
Dr. Blake Scott, Director, bscott@ucf.edu, 407-823-1057  
Adele Richardson, Adele@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, rhetorical, 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  
- 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 course used to fulfill the requirements of the 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 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 GPA of 2.5 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  
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs  

B: Cultural & Historical Foundations (9 hrs)  
- Prefer PHI 2010 Introduction to Philosophy 3 hrs  
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs  

Equipment Fees  
- Part-Time Student: $12 per term  
- Full-Time Student: $24 per term  

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  

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- Part-Time Student: $12 per term  
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Writing and Rhetoric (B.A.)  
College of Arts and Humanities  
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The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetorical, 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  
- 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 course used to fulfill the requirements of the 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 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 GPA of 2.5 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  
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs  

B: Cultural & Historical Foundations (9 hrs)  
- Prefer PHI 2010 Introduction to Philosophy 3 hrs  
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs  

Equipment Fees  
- Part-Time Student: $12 per term  
- Full-Time Student: $24 per term
C: Mathematical Foundations  (6 hrs)
D: Social Foundations  (6 hrs)
  Prefer  POS 2041  American National Government  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 must take these courses as early in the program as possible.
ENC 3331  Rhetoric and Civic Engagement  3 hrs
ENC 3502  Researching Writing and Literacy  3 hrs
ENG 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.
ENC 3373  Cultural Rhetorics  3 hrs
ENC 4374  Gendered Rhetorics  3 hrs
ENC 4434  Visual and Material Rhetorics  3 hrs
ENC 3417  Literacy and Technology  3 hrs
ENC 3521  Writing Across Difference  3 hrs
ENC 3315  Argumentative Writing  3 hrs
ENC 3503  Topics in Writing & Literacy Studies  3 hrs

5. Restricted Electives  (18 hrs)
Students must take at least 9 hours of courses from Applications of Civic Writing and Rhetoric and Applications of Professional and Digital Writing; these 9 hours can be from either or both categories.
Students must also take at least 3 hours from the Writing Practicums category.
Students must take at least 6 hours of Advised Electives.
Applications of Civic and Cultural Writing and Rhetoric
ENC 3311  Essay as Cultural Commentary  3 hrs
ENC 4353  Writing for Social Change  3 hrs
ENC 3375  Rhetoric in Popular Culture  3 hrs
ENC 3478  Writing in Global and Transnational Contexts  3 hrs
ENC 4354  Writing with Communities and Nonprofits  3 hrs
ENC 3372  Topics in Civic Rhetoric and Writing  3 hrs
Applications of Professional and Digital Writing
ENC 3250  Professional Writing  3 hrs
ENC 4212  Professional Editing  3 hrs
ENC 3351  Writing for Publication  3 hrs
ENG 3833  Marketing Your Writing  3 hrs
ENC 3453  Writing About Health and Medicine  3 hrs
ENC 3465  Writing about Science and Technology  3 hrs
ENC 4416  Writing in Digital Environments  3 hrs
ENC 3433  Multimedia Writing and Composition  3 hrs
ENC 3454  Topics in Professional and Digital Writing  3 hrs
Writing Practicums
ENC 4275  Theory and Practice of Tutoring Writing  3 hrs
ENC 3473  Writing in Disciplinary Cultures  3 hrs
ENC 4944  Writing Internship  3 hrs
Advised Electives
Hours can be met by any DWR upper-level (i.e., 3000 or 4000 level) course not otherwise used to satisfy major requirements or by approved upper-level, writing-intensive courses in another department.

6. Capstone Requirements  (3 hrs)
ENC 4379  Writing and Rhetoric Capstone  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.

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
Can be Minor, Certificate, or Approved Area of Study
18 hours minimum.
No more than 6 hours can overlap with courses used to satisfy the major.
Can be a UCF minor or an interdisciplinary set of courses tailored to the student’s professional goals and approved by a DWR advisor.

11. Departmental Exit Requirements
Students must complete an electronic writing portfolio approved by the DWR Director of Degree Programs.
Students must complete a minor, certificate, or approved program of study (at least 18 hours).
Computer competency met by completion of 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
90

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
Interdisciplinary Studies
Certificates
Health Communication

Related Minors
Legal Studies
Education
Digital Media
History
Political Science
Interpersonal/Organizational Communication
Journalism Studies
Magazine Journalism
Marketing
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 15 hrs
- ENC 1101 Composition I 3 hrs
- POS 2041 American National Government 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- GEP 3 hrs
- Core Course 3 hrs
- Foreign Language Course 4 hrs
- Course in Minor/Certificate/Program of Study 3 hrs

Sophomore Year - Spring 16 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- Foreign Language Course 4 hrs
- Course in Minor/Certificate/Program of Study 3 hrs
- Elective 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 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
- Elective 3 hrs

Senior Year - Fall 15 hrs
- ENC 4944 Writing Internship 3 hrs
- Advised Elective 3 hrs
- Advised Elective 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Spring 12 hrs
- ENC 4379 Writing and Rhetoric Capstone 3 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.oias.ucf.edu/alc/academic_learning_compacts.htm
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
- Africana 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
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Humanities
- Digital Media
- Diplomacy
- Diversity and Social Inequality
- Early Childhood
  - Development and Education
- Economic Policy
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- 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
- Humanities and Cultural Studies
- Information Technology
- Intelligent Robotics 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
- Mathematical Biology
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nonprofit Management/National Certification in Nonprofit Management
- North American Indian Studies
- Performing Arts Administration
- Philosophy
- Physics
- Political Science
- Political Science/Prelaw
- 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 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
- Behavioral Forensics Certificate
- Children's Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Engineering Leadership Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Health Communication Certificate
- Human Biology Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Marketing: e-Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Retailing Management Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Services Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Native American Studies Certificate
- Nonprofit Management Certificate
- Public and Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/accounting
Phone: 407-823-2184

For Business and Non-Business 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 3141 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 4651 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 transferred 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.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, david.nickerson@ucf.edu, 407-823-5528

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.

ECON 2031 Principles of Macroeconomics 3 hrs
ECON 2032 Principles of Microeconomics 3 hrs
FIN 3403C Business Finance 3 hrs
FIN 4183 Theory of Interest 3 hrs
FIN 4184 Introduction to Derivative Markets 3 hrs
FIN 4186 Theory of Derivative Pricing 3 hrs
FIN 4852 Applied Time Series 3 hrs

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 Todd M. Freece
Phone: 407-823-1247

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (16 hrs)
AFR 1101C The Air Force Today I 1 hr
AFR 1111C The Air Force Today II 1 hr
AFR 2130C The Development of Air Power I 1 hr
AFR 2131C The Development of Air Power II 1 hr
AFR 3220C Air Force Leadership and Management I 3 hrs
AFR 3230C Air Force Evaluation and Management II 3 hrs
AFR 4201C National Security Affairs and Prep for Active Duty I 3 hrs
AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs
Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

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 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.

Africana Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 110

http://www.aas.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 (12 hrs)
- AFA 3102 Introduction to Africana Studies: A Multidisciplinary Approach 3 hrs
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3006 The African Diaspora: Theories and Movements 3 hrs

Select 1:
- AFA 4242 Contemporary Issues in Africana Studies 3 hrs
- AFA 4105 Documenting African Heritage and Life 3 hrs

Restricted Electives (6 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from the following areas of specialization.

General-Interdisciplinary 6 hrs
- Select two from the following
  - AML 3613 Narratives of Slavery or 3 hrs
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics 3 hrs
  - Among African People in the Americas or
  - FIL 3631 Black Cinema or 3 hrs
  - INR 3250 Politics of Pan-Africanism or 3 hrs
  - LAS 4023 African Caribbean Experience or 3 hrs
  - LIT 3192 Caribbean Literature or 3 hrs
  - SOP 3724 Psychology of Prejudice or 3 hrs
  - SYD 3700 Race and Ethnicity or 3 hrs
  - WST 3460 Women, Race and Struggle or 3 hrs
  - POT 4345 Pan-Africanist Thought 3 hrs

Caribbean/Central, South America 6 hrs
- Select two from the following
  - AFA 3955 Study Abroad in Eastern Caribbean or 6 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 4340 Caribbean Cultures or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs

North American 6 hrs
- Select two from the following
  - AFA 3200 African American Music or 3 hrs
  - AFA 3371 Evolution of Hip Hop or 3 hrs
  - AFA 3420 Malcolm X, Black Nationalism, and Internationalism or
  - AMH 3403 History of the South Since 1865 or 3 hrs
  - AMH 3572 Black American History II or 3 hrs
  - AML 3613 Narratives of Slavery or 3 hrs
  - AML 3614 Topics in African-American Literature or 3 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 3398 Black/Seminole Relations or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - PHP 3781 African-American Philosophy or 3 hrs
  - POS 4622 Politics and Civil Rights or 3 hrs
  - PUP 3314 Minorities in American Politics 3 hrs

African Continental 6 hrs
- Select two from the following
  - AFH 3100 African History to 1870 or 3 hrs
  - AFH 3200 African History Since 1870 or 3 hrs
  - ANT 4352 African Societies and Cultures or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - INR 3250 Politics of Pan-Africanism or 3 hrs
  - INR 3253 International Politics of Africa or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - PHI 3790 African Philosophy 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 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 the approval of the program coordinator.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

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, 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.

UNIVERSITY OF CENTRAL FLORIDA 346 Undergraduate Catalog 2014-2015
Minors

Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- 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
  - SYP 4941 Internship 3 hrs
  - SOW 4510 Field Education 9 hrs
  - SOW 4941 Internship 9 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 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 9 hours may be taken in one area.

American Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 201
http://www.cah.ucf.edu/
Dr. Delia Garcia, Delia.Garcia@ucf.edu
Phone: 407-823-3312

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Literature and Humanities 3 hrs
- Select 1: 3 hrs
  - AML 3031 American Literature I or 3 hrs

Restricted Electives (12 hrs)
- Select 1: 3 hrs
  - AML 3561 Women in American History I or 3 hrs
  - AMH 4110 Colonial America, 1607-1763 or 3 hrs
  - AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
  - AMH 4311 American Culture I or 3 hrs
  - AMH 4313 American Culture II 3 hrs

Social Sciences
- Select 1: 3 hrs
  - POS 3413 The American Presidency or 3 hrs
  - POT 3204 American Political Thought or 3 hrs
  - SYD 3700 Race and Ethnicity or 3 hrs
  - SYP 3630 Popular Culture In Society 3 hrs

Restricted Electives (12 hrs)
- 12 additional upper-level hours. Select courses not already used from lists above.

History
- Select 1: 3 hrs
  - AMH 3651 Women in American History I or 3 hrs
  - AMH 4110 Colonial America, 1607-1763 or 3 hrs
  - AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
  - AMH 4311 American Culture I or 3 hrs
  - AMH 4313 American Culture II 3 hrs

Restricted Electives (12 hrs)
- 12 additional upper-level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 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 9 hours may be taken in one area.

Anthropology - Minor

College of Sciences
Department of Anthropology,
Dr. Arlen Chase
http://www.cos.ucf.edu/anthropology
Email: anthropology@ucf.edu
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 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)
- ANT 2000 General Anthropology 3 hrs

Restricted Electives (15 hrs)
- A. Concentration in General Anthropology
  - B. Concentration in Culture
  - Select additional upper level (3000-5999) Anthropology courses

347 Undergraduate Catalog 2014-2015
Minors

B. Concentration in Archaeology 15 hrs
ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

Complete at least four of the following courses; 12 hrs

- ANT 3106 Archaeology and Popular Culture or 3 hrs
- ANT 3115 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 Indians of the Southwest or 3 hrs
- ANT 3156 Florida Archaeology or 3 hrs
- ANT 3160 Americas Before Columbus or 3 hrs
- ANT 3161 Archaeology of Mexico 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
- ANT 4180C Seminar in Laboratory Analysis or 3 hrs

1 or its graduate equivalent.

C. Concentration in Physical Anthropology 15 hrs
ANT 2410 Cultural Anthropology 3 hrs

Select from the following courses; 12 hrs

- ANT 3148 Life and Death in Ancient Egypt or 3 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
- ANT 3550C Primatology or 3 hrs
- ANT 4183 Archaeological Sciences or 3 hrs
1 ANT 4184 Mortuary Archaeology or 3 hrs
- ANT 4462 Medical Anthropology or 3 hrs
- ANT 4467 Nutritional Anthropology or 3 hrs
- ANT 4516 Human Biological Diversity or 3 hrs
- ANT 4521 Forensic Anthropology or 3 hrs
- ANT 4525C Human Osteology or 4 hrs
- ANT 4560 Anthropological Perspectives on Human Growth or 3 hrs
- ANT 4586C Human Origins 3 hrs

1 or its graduate equivalent.

D. Concentration in Cultural Anthropology 15 hrs
ANT 2410 Cultural Anthropology 3 hrs

Select from the following courses; 12 hrs

- ANT 3152 Indians of the 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/Seminoles 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 Applied Anthropology or 3 hrs
1 ANT 4702 Culture, Power and Development or 3 hrs
1 ANT 4304 Caribbean Cultures 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

1 or its graduate equivalent.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - 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

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)
Select from; 3 hrs
- ANT 2000 General Anthropology or
- ANT 2410 Cultural Anthropology

Restricted Electives (15 hrs)
- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.

- 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 3302 Sex, Gender and Culture or 3 hrs
- ANT 3312 Ethnology of North American Indians or 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or 3 hrs
- ANT 3398 Black/Seminoles Relations or 3 hrs
- ANT 3541 Biobehavioral Anthropology or 3 hrs
1 ANT 3610 Language and Culture or 3 hrs
ANT 3701 Applied Anthropology or 3 hrs
ANT 4266 Economic Anthropology. Production, Consumption, and Exchange or 3 hrs
1 ANT 4303 Anthropology of Tourism or 3 hrs
1 ANT 4332 People and Cultures of Latin America or 3 hrs
1 ANT 4340 Caribbean Cultures or 3 hrs
ANT 4408 Culture, Disease, and Healing or 3 hrs
1 ANT 4467 Nutritional Anthropology or 3 hrs
ANT 4516 Human Biological Diversity or 3 hrs
1 ANT 4702 Culture, Power and Development or 3 hrs
SYD 3700 Race and Ethnicity or 3 hrs

1 or its graduate equivalent, but not both.
Art - Studio - 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 (18 hrs)
- ARH 2050 History of Western Art I 3 hrs
- ARH 2051 History of Western Art II 3 hrs
- 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
- ART 3950 Portfolio Review 0 hrs

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
■ 18

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/
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714

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.

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- 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 Students in Schools 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
Minors

### Asian Studies - Minor
**College of Arts and Humanities**

http://www.cah.ucf.edu/

Dr. Patrick Murphy, patrick.murphy@ucf.edu, 407-823-5596

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3</td>
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#### Restricted Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2020</td>
<td>History of Western Art I or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Italian Renaissance Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3</td>
</tr>
</tbody>
</table>

#### 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) 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.

### 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.

#### 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 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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>AST 4152</td>
<td>Planetary Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>AST 3211</td>
<td>Stellar Astrophysics</td>
<td>3</td>
</tr>
<tr>
<td>AST 3402</td>
<td>Galaxies and Cosmology</td>
<td>3</td>
</tr>
<tr>
<td>AST 4700</td>
<td>Experimental Methods in Astronomy</td>
<td>3</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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AST 4700</td>
<td>Experimental Methods in Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4130</td>
<td>Greek Art and Architecture or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4150</td>
<td>Roman Art and Architecture or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4200</td>
<td>Medieval Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4310</td>
<td>Baroque Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4350</td>
<td>Italian Renaissance Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4430</td>
<td>19th Century Art or</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4450</td>
<td>20th Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ARH 4800</td>
<td>Theory and Criticism of the Visual Arts or</td>
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<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Total Semester Hours Required
- 21

#### Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 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.
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 the CECS 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 (35 hrs)
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology

Email: biology@ucf.edu

Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional 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 Department of Biology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 31

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.

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: bcbsinfo@mail.ucf.edu

Dr. Richard Peppler, Interim Director
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- None

Total Semester Hours Required
- 41
Minors

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.
- Internship or Independent Study credit cannot be used toward the minor.

Business - Minor

College of Business Administration
Undergraduate Student Services BA2, 101, 407-823-2184
Not available to Business majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

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) 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.

Chemistry - Minor

College of Sciences
Department of Chemistry,
Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemistry@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

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) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
  - or
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2130 Organic Chemistry I 3 hrs
- CHM 2131 Organic Chemistry II 3 hrs
- CHM 2131L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

Restricted Electives (8 hrs)
- 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
- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Group II:
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3422 Applied Physical Chemistry 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 28

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.
Coaching - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Patty Lanier, Patty.Lanier@ucf.edu, 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 following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
- ATR 4132  Human Injuries: Mechanisms & Prevention  3 hrs
- PET 3765  Coaching Theory  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

Select 1: 3 hrs
- PEO 3624  Coaching Basketball or  3 hrs
- PEO 3644  Coaching Football or  3 hrs
- PEO 3324  Coaching Volleyball or  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ An overall GPA of 2.5 is required to satisfy the minor.
■ 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.
■ No TSD or Military credit may be used.
■ Internship or Independent Study credit cannot be used towards the minor.

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
■ None

Required Courses (15 hrs)
■ Foundation Courses
■ Select from at least 4 subject areas.

Neuroscience 3 hrs
- PSB 3002  Physiological Psychology or  3 hrs
- PSB 4240C  Neuropsychology or  4 hrs
- ZOO 3744  Neurobiology  3 hrs

Philosophy 3 hrs
- 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

Psychology 3 hrs
- EXP 3204C  Perception or  4 hrs
- EXP 3604C  Cognitive Psychology or  4 hrs
- EXP 4507C  Advanced Human Memory and Cognition or  3 hrs

Computer Science and Information Technology 3 hrs
- CAP 4453  Robot Vision or  3 hrs
- CAP 4630  Artificial Intelligence or  3 hrs
- EEL 3552C  Analog and Digital Communication Fundamentals or  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
- LIN 3717  Language Development: 9 - 18 Years or  3 hrs
- PHI 4221  Philosophy of Language or  3 hrs
- EXP 3640  Psychology of Language or  3 hrs

Restricted Electives (6 hrs)
Select 2: 6 hrs
- ANT 3541  Biobehavioral Anthropology or  3 hrs
- ANT 3550C  Primatology 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 3204C  Perception or  4 hrs
- LIN 4711  Language Analysis or  3 hrs
- LIN 4711L  Language Analysis Lab or  1 hr
- 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 or  3 hrs
- PHI 4500  Metaphysics or  3 hrs
- PSY 4025  The Psychology of Art or  3 hrs
- PSY 3213C  Research Methods in Psychology or  5 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21
Minors

Other Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- 18 hours must be taken at the upper division.
- No more than 12 credit hours may be used both toward credit for a major and the cognitive sciences 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, 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, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csdundergraduate@ucf.edu
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
- None

Required Courses (24 hrs)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<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>
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</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.
- 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 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
- Partners 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.

Computer Science - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</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 3103</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: (3 hrs)

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAD 2104</td>
<td>Foundations of Discrete Math</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A 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 Computer Science 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.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. J. Jasinski, sociology@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 must earn a minimum GPA of at least 2.0 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 department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 3520  Criminology  3 hrs

Required: Complete one of the following:
- SYG 2000  Introduction to Sociology  3 hrs
- SYG 2010  Social Problems  3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYP 3510  Sociology of Deviant Behavior  3 hrs
  - SYP 3511  Sociology of Murder  3 hrs
  - SYP 3540  Sociology of Law  3 hrs
  - SYP 3562  Patterns of Domestic Violence in Society  3 hrs
  - SYP 4514  Patterns of Violence in Society  3 hrs
  - SYP 4521  Crime Victims in Society  3 hrs
  - SYP 4536  Gangs and Society  3 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.

Dance - Minor
College of Arts and Humanities
Department of Theatre, Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu/
Earl Weaver, Earl.Weaver@ucf.edu, 407-823-2862

Other Requirements
- A successful audition - contact department for audition dates.

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (11 hrs)
- DAN 3134  Dance History I  3 hrs
- DAA 3612  Dance Improvisation/Composition I  3 hrs
- DAA 2200C  Ballet I  2 hrs
- DAA 3074  Dance Performance  1 hr

Restricted Electives (7 hrs)
- DAA 2570C  Ballet II  2 hrs
- DAA 3524C  Tap Dance III  2 hrs
- DAA 2201C  Ballet III  2 hrs
- DAA 3208C  Ballet III  2 hrs
- DAA 2101C  Modern Dance II  2 hrs
- DAA 2303C  World Dance  2 hrs
- DAA 3645  Choreography Practicum  2 hrs
- DAA 3684  Dance Performance  1 hr
- TPA 2290L  Theatre Participation-Production I  1 hr
Minors

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.
- 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.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- 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
Email: english@ucf.edu
Dr. Mark Kamrath
Phone: 407-823-5596

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- PHI 3625 Virtual Ethics or 3 hrs
- ENC 3417 Literacy and Technology or 3 hrs
- DIG 3171 Tools for Digital Humanities or 3 hrs
- HUM 3830 Introduction to Digital Humanities or 3 hrs

Restricted Electives (6 hrs)
- Select two from the following:
  - CRW 3713 Writing for Video Games or 3 hrs
  - DIG 4704 Interactive Entertainment or 3 hrs
  - DIG 4855 Converging Media Capstone or 3 hrs
  - ENC 4416 Writing in Digital Environments or 3 hrs
  - ENC 4414 Writing and Hypertext or 3 hrs
  - ENC 4290 Usability Testing for Technical Communication or 3 hrs

Theory and Critique (6 hrs)
- Select two from the following:
  - AMH 4644 Viewing American History in the Twentieth Century or 3 hrs
  - DIG 3024 Digital Cultures & Narrative or 3 hrs
  - ENC 3417 Literacy and Technology or 3 hrs
  - HIS 4150 History and Historians or 3 hrs
  - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
  - PHI 3625 Virtual Ethics or 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Digital Media - Minor

College of Arts and Humanities
School of Visual Arts and Design
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 (12 hrs)
- DIG 2000 Introduction to Digital Media or 3 hrs
- DIG 2030C Digital Video Fundamentals or 3 hrs
- DIG 2109C Digital Imaging Fundamentals or 3 hrs
- DIG 2500C Fundamentals of Interactive Design or 3 hrs

Restricted Electives (6 hrs)
- Select two courses:
  - DIG 3716C Internet Interaction or 3 hrs
  - DIG 3811 User-Centered Design or 3 hrs
  - DIG 4630C Media Business Practices or 3 hrs
  - DIG 4713 Game Design or 3 hrs
  - DIG 4780C Modeling for Realtime Systems or 3 hrs
  - FIL 4040 Animation Film History for Non Film Majors or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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 can be used in the minor only with prior written permission from a school advisor.

Diplomacy - Minor

College of Sciences
College of Arts and Humanities
Department of Political Science,
Phillips Hall, Room: 302
http://politics.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Dr. R. Handberg, 407-823-2608
Dr. J. Sacher, 407-823-2225

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.
Minors

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of 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 must earn a minimum GPA of at least 2.0 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 department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 3530 Social Power and Inequality 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYD 4732 Minority Aging 3 hrs
  - SYD 4813 Women, Law and Social Change 3 hrs
  - SYP 4454 Global Inequality and Society 3 hrs
  - SYP 4732 Minority Aging 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.

Early Childhood Development and Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
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
- Completion of an A.A. degree from a Florida public post secondary 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.

Diversity and Social Inequality - Minor

College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. J. Jasinski, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of 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
- 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 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 (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
  - 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 4683 History of Communism in Europe 3 hrs
  - INR 4054 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

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.

Admission Requirements
- None

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 15 hours used in the minor must be earned at UCF within the department of Sociology.

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 (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
  - 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 4683 History of Communism in Europe 3 hrs
  - INR 4054 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

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.

Early Childhood Development and Education - Minor

College of Education and Human Performance
School of Teaching, Learning, and Leadership,
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
- Completion of an A.A. degree from a Florida public post secondary 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.
Minors

- 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(15 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
</tr>
<tr>
<td>EEC 4694</td>
<td>Classroom Management and Guidance of Young Children</td>
</tr>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- Choose two: 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3223</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 3704</td>
<td>Global Economic Policy</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
</tr>
<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
</tr>
<tr>
<td>ECP 3006</td>
<td>Economics of Sports</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
</tr>
</tbody>
</table>

Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- None

**Economic Policy - Minor**

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors. Not open to Economics BA or BSBA majors or Mathematics majors in the Mathematical Economics concentration.

The Economics Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

**Select 4:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ECO 3223</td>
<td>Money and Banking</td>
</tr>
<tr>
<td>ECO 3704</td>
<td>Global Economic Policy</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
</tr>
<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
</tr>
<tr>
<td>ECP 3006</td>
<td>Economics of Sports</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3223</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 3704</td>
<td>Global Economic Policy</td>
</tr>
<tr>
<td>ECO 4303</td>
<td>History of Economic Thought</td>
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<tr>
<td>ECO 4751</td>
<td>Law and Economics</td>
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<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
</tr>
<tr>
<td>ECP 3006</td>
<td>Economics of Sports</td>
</tr>
<tr>
<td>ECS 4013</td>
<td>Development Economics</td>
</tr>
</tbody>
</table>

Other ECO, ECP or ECS courses may be applied toward the Minor with the approval of the Department.

**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" 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 ten hours used in the minor must be earned at UCF within the department.

**Economics - Minor**

**College of Business Administration**

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors. Not open to the Economics BA or BSBA majors or Mathematics majors in the Mathematical Economics concentration.

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 (BA) 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- Upper Division Restricted Electives: 9 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Macroeconomics</td>
</tr>
</tbody>
</table>

- 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:

Universities: CENTRAL FLORIDA
### Education - Minor

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 220B**

[http://education.ucf.edu/edminor](http://education.ucf.edu/edminor)

Dr. W. Scott Wise, ED 220B, wwise@ucf.edu

Phone: 407-823-1502

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 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>EDF 4467</td>
<td>Learning Theory and Assessment 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>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>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4342</td>
<td>Programs in Teaching Language and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4710</td>
<td>Methods for Physical Activity for Children and Adolescents</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required**

- None

**Foreign Language Requirements**

- None

**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.

### Emergency Management and Homeland Security - Minor

**College of Health and Public Affairs**

**School of Public Administration,**

**Health and Public Affairs II, Room: 238**

Email: pa/ba/bs@ucf.edu

Dr. Claire Knox, 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4822</td>
<td>Intergovernmental Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4392</td>
<td>Emergency Management and Homeland Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4712</td>
<td>Information Systems for Public Managers and Planners</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4395</td>
<td>Disaster Response and Recovery</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4390</td>
<td>Hazard Mitigation and Preparedness</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC 4012</td>
<td>Terrorism or National Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required**

- None

**Foreign Language Requirements**

- None
Minors

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.

Energy and Sustainability - Minor
College of Engineering and Computer Science
Engineering, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- IDS 3150 Foundations of Environmental Studies 3 hrs
- EGS 4710 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1: 3 hrs
- GEB 4152 Tech Innovation & Entrepreneurship or 3 hrs
- IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.

Restricted Electives (6 hrs)
- Select any two elective courses from the following courses:
  - Energy Systems Design 3 hrs
    - EEL 4216 Fundamentals of Electric Power Systems
    - EML 4411 Mechanical Power Systems
    - EML 4454 Turbines for Sustainable Power
    - EML 4600 HVAC Systems Engineering
    - EML 4602 Applied HVAC Engineering
  - Water, Environment and Waste Management 3 hrs
    - ENV 3001 Introduction to Environmental Engineering
    - ENV 4120 Air Pollution Control
    - ENV 4341 Solid & Hazardous Waste Management
    - ENV 4561 Environmental Engineering Operations & Processes II
  - Business and Public Policy 3 hrs
    - ECP 3302 Economics and the Environment
    - ECP 4303 Environmental and Natural Resource Economics
    - REE 3614 Environmental Issues for Real Estate
  - Social and Ethical Dimensions 3 hrs
    - INR 4350 Global Environmental Politics
    - INR 4351 International Environmental Law
    - PAD 4351 Issues in Environmental Program Management
    - PHI 3640 Environmental Ethics

- PLA 4554 Environmental Law or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- SYD 4510 Environment and Society 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of "C" (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete 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.

Minor Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- Discipline specific design course in engineering or Computer Science 3 hrs
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate 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 3 hrs
- MAR 3391 Professional Selling
- GEB 4152 Tech Innovation & Entrepreneurship

1 Engineering Leadership Capstone

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. Patrick Murphy, 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 3120 Fiction Writing Workshop 3 hrs
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 9 hrs
three courses
CRW 3311 Structure of Verse 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
Any other CRW elective or Special Topics course 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A grade of “C” (2.0) or better is required in each course 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.

English - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 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 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.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/

Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
1 ENG 3014 Theories and Techniques of Literature Study
1 PR for all 4000 level AML, ENG, ENL, and LIT courses

Restricted Electives (18 hrs)
■ English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

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, and must be regularly scheduled, upper level courses.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

English - Technical Communication - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
ENC 4215 Technical Publication and Project Management 3 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
ENC 4280 Technical Writing Style 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Students completing the minor may intern with a Central Florida corporation

Restricted Electives
■ None

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 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.

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. Jeffrey Kaplan, ED 122B, Jeffrey.Kaplan@ucf.edu
Phone: 407-823-2041

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.

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 4467 Learning Theory and Assessment 3 hrs

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.

Required Courses (18 hrs)
ENC 4215 Technical Publication and Project Management 3 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
ENC 4280 Technical Writing Style 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs

Students completing the minor may intern with a Central Florida corporation

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.

Entrepreneurship - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cei.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

For both Business Majors and non-Business Majors.

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, innovative corporate initiatives, and impactful non-profit organizations. This minor serves as a great complement to majors in all disciplines by preparing students to recognize opportunities, organize resources, and produce results. These capabilities promote leadership potential and professional success in any career, and are sought after by small and large organizations that need employees capable of creating and managing innovative new initiatives.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
GEB 3113 Creativity and Entrepreneurship 3 hrs
GEB 4110 Business Plan Preparation 3 hrs
GEB 4111 New Venture Finance 3 hrs
MAN 4802 New Venture and Small Business Management 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs

Students completing the minor may intern with a Central Florida corporation

Restricted Electives (3 hrs)
■ Any 3000 or 4000 MAN course not in CBA core or the following courses:
BUL 4540 Employment Law 3 hrs
EGN 4641C Engineering Entrepreneurship 3 hrs
GEB 4152 Tech Innovation & Entrepreneurship 3 hrs
GEB 4435 Moral Foundations of Business 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.
Minors

- 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.
- 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
Office 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
- Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses
IDS 3150 Foundations of Environmental Studies (3 hrs)

Restricted Electives
Science & Environmental Electives (9 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
CCE 3008 Oceanography 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4683 Evolutionary Biology 4 hrs
CHM 3120 Analytical Chemistry 3 hrs
HSC 4500 Epidemiology 3 hrs
ENV 3008 Introduction to Environmental Engineering 3 hrs
ENV 4341 Solid & Hazardous Waste Management 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3044L Principles of Ecology Laboratory 1 hr

Social & Humanities Electives (9 hrs)
INR 4351 International Environmental Law 3 hrs
PUR 3203 Environmental Politics 3 hrs
PUP 4503 Government and Science 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PUR 3204 Sustainability 3 hrs
GEO 2370 Resources Geography 3 hrs
GIS 3043C GIS for Environmental Studies 3 hrs
GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs

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 interdisciplinaty 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.
Minors

### Literature, Film, and Culture:

Select from the following courses: **3 hrs**

- **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
  - FIL 3820: Italian Film or 3 hrs
  - FIL 3822: French Film or 3 hrs
  - FIL 3823: German Film or 3 hrs
  - FRE 4500: French Civilization and Culture or 3 hrs
  - FIL 3820: Italian Film or 3 hrs
  - ENL 4262: Nineteenth Century British Prose or 3 hrs
  - ENL 4240: English Romantic Writers or 3 hrs
  - ENL 4101: English Novel or 3 hrs
  - INR 4035: International Political Economy 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 3451: 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: 1901-1917 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: The Comparative Study of European Culture 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

### 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: Russian Economic Policy or 3 hrs
- CPO 4123: Comparative Political Parties 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 or 3 hrs

### Additional Foreign Language Requirements:

- **3 hrs**
  - ARH 4430: 19th Century Art or 3 hrs
  - ARH 4450: 20th Century Art or 3 hrs
  - PHI 3041: Russian Philosophy or 3 hrs
  - PHI 3510: Marx and Nietzsche or 3 hrs
  - PHP 3783: Modernity as a Philosophical Problem or 3 hrs
  - PHP 3786: Existentialism or 3 hrs
  - PHP 4782: Phenomenology or 3 hrs

- **21 hrs**

- **No credit by exam (military credit, TSD) may be used toward the minor.**

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### 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

The Event Management Minor is open to any degree-seeking student in the College of Arts and Humanities. 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). Sessions will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

**Admission Requirements**

- **Major within the College of Arts & Humanities.
- 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
2. HFT 3573: Event Design, Production & Technology 3 hrs
3. HFT 3512: Event Promotion 3 hrs
4. HFT 3670: Hospitality and Event Risk Management 3 hrs

**Restricted Electives**

(6 hrs)

1. HFT 2750 is the prerequisite course for all upper level Event Management courses.

**Select 2:**

- **3 hrs**
  - HFT 3519: Event Services or 3 hrs
  - HFT 3523: Event Sales or 3 hrs
  - HFT 3741: Meeting Management or 3 hrs
  - HFT 3798: Events and Festivals or 3 hrs
  - HFT 4795: Entertainment Arts and Events or 3 hrs
  - HFT 4796: International Events or 3 hrs

**Foreign Language Requirements**

- **None**
### Minors

#### 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-MacPherson, Program Coordinator,  
maria.reyes-macpherson@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 4066 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

**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

#### Film - Cinema Studies - Minor
**College of Arts and Humanities**  
**School of Visual Arts and Design, Nicholson School of Communication, Room: 121**  
*http://svad.cah.ucf.edu/*

Phone: 407-823-2676

**Minor Admission Requirements**
- Completion of a Minor Declaration form

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(12 hrs)*
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

**Select 1:** *(3 hrs)*
- FIL 1007 Foundations of Story or
- FIL 1000 Cinema Survey 3 hrs

**Restricted Electives** *(6 hrs)*
- Choose Two
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3363C Film Documentary 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A 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. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.
Minors

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
- None
Minor Requirements
- None
Prerequisite Courses (6 hrs)
ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Required Courses (9 hrs)
FIN 2100 Personal Finance and Investments 3 hrs
FIN 3403C Business Finance 3 hrs
FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3: 9 hrs
FIN 3414 Intermediate Corporate Finance or 3 hrs
FIN 3461 Financial Statement Analysis or 3 hrs
FIN 3504 Investment 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 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.
- 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
Patty Lanier, PattyLanier@ucf.edu, 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.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
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 4500C 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: 6 hrs
PET 3771 Strength and Conditioning Concepts or 3 hrs
PET 3768 Group Exercise Instruction or 3 hrs
PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
PET 3125 Fitness and Weight Management or 3 hrs
PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 18
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
Dr. Patrick Murphy, 407-823-5596

Admission Requirements
- None
Minor Requirements
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- At least 12 hours used in the minor must be taken 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.
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
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

- None

Minors

French - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfacult@ucf.edu
407-823-2472

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- None

Restricted Electives (18 hrs)

- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

Global Peace and Security Studies - Minor

College of Sciences
Department of Political Science,
Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
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 hrs of electives in their major department.

Prerequisite Courses

- Students must satisfy each course’s prerequisite before enrolling in the class

Required Courses (6 hrs)

- EUH 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
- DSC 4012  Terrorism  3 hrs
- CPO 3403  Politics of the Middle East  3 hrs
- CPO 4784  Political and Economic Inequality in Comparative Perspective  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 4284  Fascism and Nazism in the Interwar Era  3 hrs
- EUH 4663  History of Communism in Europe  3 hrs
- IDS 4315  Global Perspectives  3 hrs
- INR 3253  International Politics of Africa  3 hrs
- INR 4011  Politics of Globalization  3 hrs
- INR 4030  Diplomacy  3 hrs
- INR 4063  The Cold War  3 hrs
- INR 4060  Causes of 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 4774  Military Space Policy  3 hrs
- LAH 3200  Modern Latin America  3 hrs
- PLA 4583  Cyber Law I  3 hrs
- POS 3253  Contemporary Revolution and Political Violence  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 chair’s discretion with prior approval.
Minors

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
■ 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 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
HSC 3537 Medical Terminology 3 hrs
HSC 3593 HIV Disease: A Human Concern 3 hrs

Restricted Electives (9 hrs)
■ Additional prerequisite courses may be required
Select 1: 3 hrs
HSC 4008 Professional Development in Health Professions 3 hrs
HSC 4108 Principles of Managed Care 3 hrs
HSC 4508C Quality Management 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

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 Health Care Automation 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 3 hrs
HSA 4108 Principles of Managed Care or 3 hrs
HSC 4508C Quality Management or 3 hrs
HSA 4702 Health Sciences Research Methods 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.
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 Upper Division Electives
■ None
Required Courses
■ None
Prerequisite Courses
■ None
Minor Requirements
■ None
Minor Admission 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. Fevzi Okumus, 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
■ None
Restricted Upper Division Electives
■ None
Restricted Electives
■ Any course taught within the History Department
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.
■ No credit by exam (TSD, Military credit) may be used in the minor.
■ 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: 407-823-2681

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
■ 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
■ Select from the following courses:
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 4426 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 3 hrs
## Minors

### 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.
- 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 cannot be used toward the minor.

### Humanities and Cultural Studies - Minor

#### College of Arts and Humanities

#### Department of Philosophy, Psychology Building, Room: 220


**Email:** philosophy2@ucf.edu

Dr. Travis Rodgers, Travis.Rodgers@ucf.edu, 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2020</td>
<td>Encountering the Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3431</td>
<td>Ancient Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3435</td>
<td>Medieval Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3255</td>
<td>Modern Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3252</td>
<td>Contemporary Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3423</td>
<td>African Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3460</td>
<td>Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4459</td>
<td>American Cultural Studies in Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3805</td>
<td>Critical Theory in the Humanities or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3830</td>
<td>Introduction to Digital Humanities or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3326</td>
<td>Theories of Sex and Gender in Humanities or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4826</td>
<td>Postcolonial Theory</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4931</td>
<td>Key Figures in the Humanities &amp; Cultural Studies or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4934</td>
<td>Key Concepts in Humanities &amp; Cultural Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Cultural Traditions
- 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3401</td>
<td>Asian Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3423</td>
<td>African Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 3460</td>
<td>Latin American Humanities</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4459</td>
<td>American Cultural Studies in Humanities</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Topics in Cultural Studies
- 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4931</td>
<td>Key Figures in the Humanities &amp; Cultural Studies or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 4934</td>
<td>Key Concepts in Humanities &amp; Cultural Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Restricted Electives
- 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 Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

**Dr. Mark Llewellyn, Markl@cs.ucf.edu**

**Phone:** 407-823-3327

**Minor Admission Requirements**
- Not open to Information Technology majors.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

#### Required Courses (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 2500C</td>
<td>Concepts in Computer Science</td>
<td>4</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Restricted Electives (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 3175</td>
<td>Courses required for the IT major</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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 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.

### Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor

#### College of Engineering and Computer Science

**Engineering, Room: 107**

[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

**Paul Edlen, paule@mail.ucf.edu, 407-823-2455**

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses (3 hrs)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 4060C</td>
<td>Introduction to Robotics</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4680</td>
<td>Robotic Systems</td>
<td>3</td>
</tr>
</tbody>
</table>
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.

Prerequisite Courses

Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 4315</td>
<td>Global Perspectives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 3471</td>
<td>World Political Geography</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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4011</td>
<td>Politics of Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4054</td>
<td>Global Politics of Energy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4074</td>
<td>Immigration Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4075</td>
<td>Human Rights Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076</td>
<td>Global Drug Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4350</td>
<td>Global Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</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 Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality in Comparative Perspective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3651</td>
<td>War and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4300</td>
<td>International Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3312</td>
<td>Theatre History and Dramatic Literature II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Three one credit Foreign Language across the Curriculum (FLAC) courses

3 hrs

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

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.
Minors

International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Robert Sweo, rsweo@bus.ucf.edu, 407-823-1237

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4604 International Financial Management 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAN 4600 International Management 3 hrs
- MAR 4156 International Marketing 3 hrs

Restricted Electives (6 hrs)
Select two of the following:
- ECO 3703 International Microeconomics 3 hrs
- ECO 3704 Global Economic Policy 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- GEB 3955 Study Abroad 3 hrs
- GEB 4361 Business in the International Environment 3 hrs
- GEB 4374 International Negotiations and Transactions 3 hrs
- GEB 4955 Study Abroad 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4035 International Political Economy 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
- MAR 4724 Strategic Foundations in Global E-Business 3 hrs
- Any 3000/4000 level foreign language course.

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” from other institutions are not accepted.
- Courses taken at Florida College System institution 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.
- A maximum of seven 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
Brittany Kester, brittany.kester@ucf.edu, 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 which English is widely spoken. 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 4843 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:
Minors

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: flfaculty@ucf.edu
407-823-2472

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ None

Restricted Electives
■ Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
■ A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
■ 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 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 without departmental permission.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu
Nicholson Academic Student Services, nassc@ucf.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
- 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

- Select from the following:
  - JOU 3304  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

Restricted Electives (15 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.
Minors

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
Dr. Moshe Pelli, 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 with 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
JST 3701  History of the Holocaust 3 hrs
JST 3417  Sephardi Jews: History, Culture, and Folklore 3 hrs

Bible
JST 3120  Hebrew Scriptures 3 hrs
JST 3125  The Book of Job 3 hrs
JST 3126  Romantic Love in the Bible 3 hrs
JST 3144  Dead Sea Scrolls 3 hrs
JST 3190  The Biblical Prophets 3 hrs
JST 3424  Biblical Archaeology 3 hrs

Literature
JST 3100  The Hebrew Creative Mind 3 hrs
JST 3312  Identity and Genre 3 hrs
JST 3751  Literature of the Holocaust 3 hrs
JST 3803  The Israeli Experience in Short Stories 3 hrs

Jewish Civilization
JST 3005  Tenets of Judaism 3 hrs
JST 3121  Classic Texts of Judaism 3 hrs
JST 3210  Kabbalah: Jewish Mysticism 3 hrs
JST 3620  Contemporary Jewish Ethics and Morality 3 hrs

Culture
JST 3450  Modern Jewish Experience 3 hrs
JST 3810  The Jewish National Movement and Roots of Zionism 3 hrs
JST 3820  Modern Israeli Culture 3 hrs
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  Building a Nation - the Challenges to and Accomplishments of the State of Israel 3 hrs

Language
HBR 1120  Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121  Elementary Modern Hebrew Language and Culture II 4 hrs
HBR 2200  Intermediate Modern Hebrew I 3 hrs
HBR 2201  Intermediate Modern Hebrew II 3 hrs
HBR 3250  Biblical Hebrew 3 hrs
HBR 3410  Conversational Israeli Hebrew 3 hrs

Other courses, including special topics, with the approval of the Director

Foreign Language Requirements
- None
Total Semester Hours Required
- 20
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 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.
- Requirement for minor is 18-20 credits.

Latin American Area Studies - Minor
College of Arts and Humanities
Program in Latin American Studies,
Colbourn Hall, Room: 122
http://las.cah.ucf.edu/
Donna Mercado, Donna.Mercado@ucf.edu
Dr. Consuelo Stebbins, stebbins@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
- Successful completion of the following courses, or demonstration of proficiency.
SPN 1120C  Elementary Spanish Language and Civilization I 4 hrs
SPN 1121C  Elementary Spanish Language and Civilization II 4 hrs

Prerequisite Courses
- None
Required Courses
- None
Restricted Electives (18 hrs)
- At least 6 hours must be from one disciplinary group, and at least 3 hours from two additional disciplinary groups. The remaining hours may be selected from any of the disciplinary groups. No more than nine (9) credit hours of courses within the same discipline. Additional courses not listed below may substitute with prior approval from the Program Director.

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

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

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
Choose one course from each of the five areas:

**Communication**
- COM 4461: Intercultural Communication (3 hrs)
- COM 3120: Organizational Communication (3 hrs)
- COM 3011C: Communication and Human Relations (3 hrs)
- COM 3120: Organizational Communication (3 hrs)
- COM 4461: Intercultural Communication (3 hrs)

**Politics**
- LDR 2001: Foundations of Leadership (2 hrs)
- CLP 3143: Abnormal Psychology (3 hrs)
- COM 4461: Intercultural Communication (3 hrs)
- EXP 3304C: Motivation (3 hrs)
- SOP 3004C: Social Psychology (3 hrs)
- SOP 3723: Cross Cultural Psychology (3 hrs)
- SOP 3742: Psychology of Women (3 hrs)
- SOP 3784: Psychology of Diversity (3 hrs)

**Latin American Studies**
- LAS 4906: Directed Independent Study (1 hr)
- LAS 4023: African Caribbean Experience (3 hrs)
- CPO 4303: Comparative Latin American Politics (3 hrs)
- INR 4243: International Politics of Latin America (3 hrs)
- LIT 3192: Caribbean Literature (3 hrs)
- AML 3615: Harlem, Haiti, and Havana (3 hrs)
- AML 4630: Latino/Latina Literature (3 hrs)
- LAS 4023: African Caribbean Experience (3 hrs)
- AMH 3586: History of the Hispanic Minorities in the U.S. (3 hrs)

**English**
- LIT 3192: Caribbean Literature (3 hrs)
- AML 3615: Harlem, Haiti, and Havana (3 hrs)
- AML 4630: Latino/Latina Literature (3 hrs)
- LIT 3192: Caribbean Literature (3 hrs)
- AML 3615: Harlem, Haiti, and Havana (3 hrs)
- AML 4630: Latino/Latina Literature (3 hrs)

**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 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.

**Leadership Studies - Minor**
**Office 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)

**Foundation Requirement**
- LDR 2001: Foundations of Leadership (2 hrs)

**Restricted Requirements**
- 15 hrs
- Choose one course from each of the five areas:
  - Communication
    - COM 3011C: Communication and Human Relations (3 hrs)
    - COM 3120: Organizational Communication (3 hrs)
    - COM 4461: Intercultural Communication (3 hrs)
  - Politics
    - PHI 3640: Environmental Ethics (3 hrs)
    - PHI 3638: Ethical Issues in the 21st Century (3 hrs)
    - PHI 3640: Environmental Ethics (3 hrs)
  - Latin American Studies
    - LAS 4023: African Caribbean Experience (3 hrs)
    - LAS 4023: African Caribbean Experience (3 hrs)
    - LAS 4023: African Caribbean Experience (3 hrs)
  - English
    - LIT 3192: Caribbean Literature (3 hrs)
    - AML 3615: Harlem, Haiti, and Havana (3 hrs)
    - AML 4630: Latino/Latina Literature (3 hrs)
  - Ethics
    - BUL 3130: Legal and Ethical Environment of Business (3 hrs)
    - EDF 3601: Professional Ethics in Education (3 hrs)
    - PAD 3040: Ethics and Values in Public Administration (3 hrs)
    - PHI 2108: Critical Thinking (3 hrs)
    - PHI 3638: Ethical Issues in the 21st Century (3 hrs)
    - PHI 3640: Environmental Ethics (3 hrs)
  - Social Relations and Culture
    - 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)
    - LAH 3130: Latin American History I (3 hrs)
    - LAH 3470: History of the Caribbean (3 hrs)
    - LAH 3586: History of the Hispanic Minorities in the U.S. (3 hrs)

**Collaboration**
- INP 3004: Industrial/Organizational Psychology (3 hrs)
- INP 4313: Organizational Psychology (3 hrs)
- MAN 4240: Organizations: Theory and Behavior (3 hrs)
- MAN 3025: Management of Organizations (3 hrs)
- SPC 4426: Group Dynamics (3 hrs)

**Social Relations and Culture**
- ANT 3541: Biobehavioral Anthropology (3 hrs)
- CLP 3143: Abnormal Psychology (3 hrs)
- COM 4461: Intercultural Communication (3 hrs)
- EXP 3304C: Motivation (3 hrs)
- SOP 3004C: Social Psychology (3 hrs)
- SOP 3723: Cross Cultural Psychology (3 hrs)
- SOP 3742: Psychology of Women (3 hrs)
- SOP 3784: Psychology of Diversity (3 hrs)

**Politics**
- PAD 3003: Public Administration in American Society (3 hrs)
- PAD 4104: Administrative Theory (3 hrs)
- PAD 4144: Nonprofit Organizations (3 hrs)
- PAF 4754: Interdisciplinary Leadership in Public Affairs (3 hrs)
- POS 3413: The American Presidency (3 hrs)
- POS 4206: Political Psychology (3 hrs)
- PUP 3325: Women and Political Behavior (3 hrs)
- SYO 4300: Political Sociology (3 hrs)

**Ethics**
- BUL 3130: Legal and Ethical Environment of Business (3 hrs)
- EDF 3601: Professional Ethics in Education (3 hrs)
- PAD 3040: Ethics and Values in Public Administration (3 hrs)
- PHI 2108: Critical Thinking (3 hrs)
- PHI 3638: Ethical Issues in the 21st Century (3 hrs)
- PHI 3640: Environmental Ethics (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.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

**Legal Studies - Minor**
**College of Health and Public Affairs**
**Department of Criminal Justice and Legal Studies,**
**Health and Public Affairs I, Room: 343**

http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter
Phone: 407-823-1670
## Magazine Journalism - Minor

### College of Sciences

**Nicholson School of Communication, NSC, Room: 143**

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

**Email:** Journalism@ucf.edu  
Dr. Kim Voss, Area Coordinator, kvoss@ucf.edu

Nicholson Academic Student Services, nassco@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) or "S" grades from other institutions are not accepted.
- 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 4224 Magazine Editing and Production 3 hrs

### Restricted Electives (9 hrs)

Select from the following:

- ENC 3310 Magazine Writing I or 3 hrs
- JOU 3370 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

- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

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## Marketing - Minor

### College of Business Administration

**Department of Marketing, Business Administration II, Room: 307S**

Open to Business and Non-Business students.

### Minor Admission Requirements

- Not available to Marketing Majors

### Minor Requirements

- None

### Prerequisite Courses

- None

### Required Courses (3 hrs)

- MAR 3023 Marketing 3 hrs

### Restricted Electives (15 hrs)

- Select four or five:
  - MAR 3203 Supply Chain and Operations Management 3 hrs
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3503 Consumer Behavior 3 hrs
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Digital Media Marketing 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 4803 Marketing Management 3 hrs
  - MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs

1 Requires prerequisites in addition to MAR 3023

### Restricted Non-Marketing Elective 3 hrs

- Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered--approval by petition to the Department.

### Required Courses (3 hrs)

- MAR 3023 Marketing 3 hrs

### Restricted Electives (15 hrs)

- Select four or five:
  - MAR 3203 Supply Chain and Operations Management 3 hrs
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3503 Consumer Behavior 3 hrs
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Digital Media Marketing 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 4803 Marketing Management 3 hrs
  - MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs

1 Requires prerequisites in addition to MAR 3023

### 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.
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.
- 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 Nicholson School of Communication.

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 2004 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
  - FIL 3006 Art of the Cinema 3 hrs
  - JOU 3004 History of American Journalism 3 hrs
  - JOU 3200 Principles of Journalism 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 3200 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.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor with prior school permission.

Mass Culture and Collective Behavior - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Email: sociology@ucf.edu
Dr. J. Jasinski, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

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 must earn a minimum GPA of at least 2.0 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 department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYP 4000 Sociological Social Psychology 3 hrs

Required: Complete one of the following:
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select from the following:
  - SYA 4650C Community Action and Involvement 3 hrs
  - SYO 3000 Contemporary Society 3 hrs
  - SYO 4200 Religion in Society 3 hrs
  - SYP 3300 Fads, Crowds, and Social Action 3 hrs
  - SYP 3400 Social Change 3 hrs
  - SYP 3602 Patterns of Popular Music in Society 3 hrs
  - SYP 3630 Popular Culture In Society 3 hrs
  - SYP 3650 Sports and Society 3 hrs
  - SYP 4004 Constructing Social Issues 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.

Mathematical Biology - Minor
College of Sciences
Department of Mathematics
Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
Minors

- At least 6 hours used in the minor must be earned at UCF within the Department of Mathematics.
- This minor is not open to Math majors.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

  - BSC 2010C  Biology I  4 hrs
  - MAC 2311C  Calculus with Analytic Geometry I  4 hrs
  - MAC 2312  Calculus with Analytic Geometry II  4 hrs

**Required Courses**

(21 hrs)

- BSC 2010C  Biology II  4 hrs
- 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
- MAP 4484  Mathematical Biology I  3 hrs
- MAP 4494  Mathematical Biology II  3 hrs

**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 4663  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.

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**Mathematics - Minor**

**College of Sciences**

**Department of Mathematics, Math and Physics, Room: 207**

[http://math.ucf.edu](http://math.ucf.edu)

Dr. Constance Schober, MAP 312, Constance.Schober@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.
- A minimum of 6 hours 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.

  - MAC 2311C  Calculus with Analytic Geometry I  4 hrs

**Required Courses**

(11 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

**Restricted Electives**

(7 hrs)

- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

**Select two from the following list of options:**

- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)

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**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 Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

Phone: 407-823-5430

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.

**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**

(19 hrs)

- A C- or better is required in these courses

  - EDS 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
  - MAE 4360  Mathematics Instructional Analysis  4 hrs
  - MAE 4634  Programs in Teaching of Mathematics  3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None
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.
- 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 (12 hrs)
  - Complete all of the following:
    - ANT 2000 General Anthropology 3 hrs
  - Restricted Electives (12 hrs)
    - Select from the list below:
      - ANT 3241 Magic, Ritual, and Belief 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 Anthropological Perspectives on Human Growth 3 hrs

**Restricted Electives**
- Restricted Electives, Group A: 3 hrs
  - Select from the list below:
    - ANT 3541 Biobehavioral Anthropology 3 hrs
    - ANT 3701 Applied Anthropology 3 hrs
    - ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
    - ANT 4184 Mortuary Archaeology 3 hrs
    - ANT 4521 Forensic Anthropology 3 hrs
    - ANT 4525C Human Osteology 4 hrs

**Foreign Language Requirements**
- None

**Medical Sociology - Minor**
**College of Sciences**
**Department of Sociology, Howard Phillips Hall, Room: 403**
[Link to sociology.cos.ucf.edu]

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 social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers 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.
- Students must earn a minimum GPA of at least 2.0 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 department of Sociology.

**Prerequisite Courses**
- 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 or 3 hrs
  - SYG 2010 Social Problems 3 hrs

**Restricted Electives**
- Select from the following:
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYO 3408 Animals and Health 3 hrs
  - SYO 4402 Sociology of Health and Illness Behavior 3 hrs
  - SYP 4401 Social Determinants of Health 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19
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
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4341 Milton and His Age 3 hrs
  - ENL 3333 Shakespeare Studies 3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives
- 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 4220 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

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
- EUH 3124 The Crusades 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 3100 Survey of Spanish Literature I 3 hrs
- SPW 3370 Spanish Short Story 3 hrs
- SPW 4310 Golden Age Drama 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
- 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.
- 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
- Select two courses from the following:
  - CPO 3403 Politics of the Middle East 3 hrs
  - REL 3363 Islam 3 hrs
  - ASH 3223 The Middle East 3 hrs

Restricted Electives
- Select two courses from the following:
  - ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
  - ASH 3222 Islam and its Empires 3 hrs
  - ASH 5227 The Arab-Israeli Conflict 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - HBR 2200 Intermediate Modern Hebrew I 3 hrs
  - REL 3330 Moses, Jesus and Muhammad 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
  - PHH 3200 Medieval Philosophy 3 hrs
  - REL 2300 World Religions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
## 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>Military Science Prerequisites</th>
<th>8 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 1001C Foundations of Officership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MSL 1002C Basic Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MSL 2101C Individual Leadership Studies</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MSL 2102C Leadership and Teamwork</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(16 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 3201C Leadership and Problem Solving</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 3202C Leadership and Ethics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4301C Leadership and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4302C Officership</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Restricted Electives</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3541 U. S. Military History To 1900</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3547 U.S. Military History Since 1900</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.
- At least 9 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**


Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

### Minor Admission Requirements

- None

### Minor Requirements

- None

### Prerequisite Courses

- None

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(10 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1004 Fundamentals of Music I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2010 Enjoyment of Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2016 Evolution of Jazz or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUL 2720 Music of the World or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 2017 Survey of Rock Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 2019 American Popular Music, 1840s-present</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives

- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 19

## 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

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3930 Nonprofit Leadership Seminar</td>
<td>1 hr</td>
</tr>
<tr>
<td>PAD 4948 Nonprofit Management Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4144 Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 One credit hour course repeated three semesters.
2 Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor.

### Restricted Electives

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MAN 4101 Human Relations in Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ACG 2021 Principles of Managerial Accounting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAN 3025 Management of Organizations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MSL 3201C Leadership and Problem Solving</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 MSL 3202C Leadership and Ethics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 MSL 4301C Leadership and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>1 MSL 4302C Officership</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 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.

### Generalist Emphasis

- Choose at least one course from each of the following three groups

#### Select 1:

<table>
<thead>
<tr>
<th>Group I: Nonprofit Accounting &amp; Financial Management and Planning &amp; Evaluation</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ACG 2021 Principles of Financial Accounting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ACG 2071 Principles of Managerial Accounting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAN 3025 Management of Organizations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4131 Public Sector Project Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4204 Fiscal Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3850 Grant and Contract Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3921 Social Work Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4153 Planning and Improvement for Public Organizations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325 Program Evaluation for Public and Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Group II: Human Development and Human Resource Development and Volunteerism</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 MAN 3301 Management of Human Resources or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAN 4101 Human Relations in Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 MAN 4320 Human Resources Recruitment and Selection or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4414 Human Resource Administration or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4418 Volunteer Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3401 Social Work Perspectives on Social Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 3104 Assessing I: Human Development or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

DEP 2004C Developmental Psychology or 3 hrs
DEP 3464 Psychology of Aging or 3 hrs
EDG 4941 Directed Field Experience 1 hr

Select 1: 3 hrs
- Group III: Communication & Marketing and Fundraising Principles & Practices
  1 COM 3110 Business and Professional Communication 3 hrs
  or
  1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  or
  1 MAR 3023 Marketing or 3 hrs
  1 MAR 3641 Marketing Intelligence or 3 hrs
  1 MAR 4603 Marketing Management or 3 hrs
  PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  1 SOW 3352 Practice II: Interpersonal Skills in Social Work or 3 hrs
  SPC 3301 Interpersonal Communication 3 hrs

1 Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Public Affairs Emphasis 9 hrs
- Choose at least 3 courses from the following:
  PAD 4148 Volunteer Management 3 hrs
  PAD 4153 Planning and Improvement for Public Organizations 3 hrs
  PAD 4131 Public Sector Project Management 3 hrs
  PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs
  1 PAD 4204 Fiscal Management 3 hrs
  1 PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
  1 PAD 4253 Community & Economic Development 3 hrs
  1 PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

1 Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Foreign Language Requirements
- None

Total Semester Hours Required 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student's understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for UCF undergraduates who are not majoring in Anthropology.

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.
  ANT 2000 General Anthropology 3 hrs
  AMH 2010 U.S. History: 1492-1877 3 hrs
  AMH 2020 U.S. History: 1877-Present 3 hrs

Required Courses (12 hrs)
  ANT 3245 Native American Religions 3 hrs
  ANT 3312 Ethnology of North American Indians 3 hrs
  ANT 4153 North American Archaeology 3 hrs
  AMH 3580 North American Indians 3 hrs

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.
  ANT 3152 Indians of the Southwest 3 hrs
  ANT 3158 Florida Archaeology 3 hrs
  ANT 3311 Indians of the Southeastern United States 3 hrs
  ANT 3398 Black/Seminole Relations 3 hrs
  AMH 2010 U.S. History: 1492-1877 3 hrs
  AMH 2020 U.S. History: 1877-Present 3 hrs
  AMH 3441 History of the Frontier: Eastern America 3 hrs
  AML 3643 Contemporary Native American Prose and Poetry 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 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements (6 hrs)
Take one of the following courses: 3 hrs
  MUL 3010 Enjoyment of Music or 3 hrs
  MUL 3144 Introduction to Music History and Literature 3 hrs
Take one of the following courses: 3 hrs
  THE 2000 Theatre Survey or 3 hrs
  THE 2520 Survey of Theatre for Majors 3 hrs

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
  ACB 2021 Principles of Financial Accounting 3 hrs
  PAD 4144 Nonprofit Organizations 3 hrs
  TPA 4400 Theatre Management 3 hrs
  MUS 4320 Music Business and Industry 3 hrs
## Internship

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 4941</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

## Restricted Electives (9 hrs)
- Select three courses, one from each of the three different areas.

### Finance & Budgeting
- FIN 2100: Personal Finance and Investments (3 hrs)
- ECO 2023: Principles of Microeconomics (3 hrs)
- ACG 2071: Principles of Managerial Accounting (3 hrs)

### 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**
  - PHI 2011: Philosophical Reasoning or 3 hrs
  - PHI 2101: Formal Logic I or 3 hrs
  - PHI 2647: Logic and Ethics or 3 hrs
  - PHI 3131: Formal Logic II or 3 hrs
  - PHI 2108: Critical Thinking or 3 hrs

  **History of Philosophy**
  - Select 1: PHI 3100, PHI 3200, PHI 3460, PHI 3800
    - PHI 3100: Ancient Philosophy or 3 hrs
    - PHI 3200: Medieval Philosophy or 3 hrs
    - PHI 3460: Modern Western Philosophy or 3 hrs
    - PHI 3800: Contemporary Philosophy or 3 hrs

  **Values and Society**
  - Select 1: PHI 3670, PHI 3626
    - PHI 3670: Ethical Theory or 3 hrs
    - PHI 3626: Advanced Ethics in Science and Technology or 3 hrs

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 21

### Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- 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.

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**Minors**

**UNIVERSITY OF CENTRAL FLORIDA**

383 Undergraduate Catalog 2014-2015
Minors

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.
■ 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 Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
PHY 3101 Physics for Engineers and Scientists 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 - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
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/Prelaw, shall not count more than one course toward both programs, except the following:
    - 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 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 (3 hrs)
POS 2041 American National Government 3 hrs

Restricted Electives (15 hrs)
■ Five 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 for the following course may be used:
    - 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.
■ 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/Prelaw 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/Prelaw, shall not count more than one course toward both programs, except the following:
    - 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 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 (6 hrs)
POS 2041 American National Government 3 hrs
POS 4284 Judicial Process and Politics 3 hrs

Restricted Electives (12 hrs)
Select 1:
  ■ INR 4401 International Law or 3 hrs
  ■ POS 4603 American Constitutional Law I or 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.

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 2012 General Psychology  3 hrs
PSY 3204C Statistical Methods in Psychology  4 hrs

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 3204C Perception or 4 hrs
EXP 3404C Basic Learning Processes or 3 hrs
EXP 3604C Cognitive Psychology or 4 hrs
PSB 4240C Neuropsychology or 4 hrs
EXP 3460 Psychology of Language  3 hrs

B. Personality/Social
Select 1:  3 hrs
PPE 3003 Personality Theory and Research or 3 hrs
SOP 3004C Social Psychology  3 hrs

C. Developmental
Select 1:  3 hrs
DEP 2004C Developmental Psychology or 3 hrs
DEP 3202 Psychology of Exceptional Children or 3 hrs
DEP 3404 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 3805 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
Email: pa/ba/bs@ucf.edu
Dr. Michael Abels, 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

Minor Requirements

None

Prerequisite Courses

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
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

Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

21

Other Requirements

A minimum GPA of 2.0 is required in each course used to satisfy the minor.
Students must earn at least a 2.0 (“C”) to earn credit.
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 without prior approval.
Religion and Cultural Studies - Minor

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu,
407-823-2273

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

- (12 hrs)
  - FIN 2100 Personal Finance and Investments 3 hrs
  - FIN 3403C Business Finance 3 hrs
  - REE 3043 Fundamentals of Real Estate 3 hrs
  - REE 3433 Real Estate Law 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.
- 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.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Minors

Real Estate - Minor

College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising must go to BA 2 room 101.
http://www.bus.ucf.edu/realestate/
Phone: 407-823-3575

Open to Business and Non-Business students. Not available to Real Estate Majors.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses

- (21 hrs)
  - REL 3403 Christianity or 3 hrs
  - REL 3336 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

Traditions

- Must select one in each category

Abrahamic Traditions

- (3 hrs)
  - REL 3403 Christianity or 3 hrs
  - REL 3336 Islam or 3 hrs
  - REL 3320 Moses, Jesus and Muhammad or 3 hrs

Asian and Indigenous Traditions

- (3 hrs)
  - REL 3340 Buddhist Thought or 3 hrs
  - REL 3333 Hinduism 3 hrs

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 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 3 hrs

Religion in Culture

- (6 hrs)
  - Must select two 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
    - 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

- 21

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

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<tr>
<th>Language Classes</th>
<th>Hours</th>
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<tbody>
<tr>
<td>RUS 2200</td>
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<tr>
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Restricted Electives

<table>
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<th>History</th>
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<tr>
<td>EHU 4571</td>
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<tr>
<td>EHU 4574</td>
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<tr>
<td>EHU 4576</td>
<td>3 hrs</td>
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<tr>
<td>EHU 4663</td>
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<table>
<thead>
<tr>
<th>Government/Politics</th>
<th>Hours</th>
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<tr>
<td>CPO 3614</td>
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<tr>
<td>CPO 4643</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>3 hrs</td>
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<tr>
<td>POT 4414</td>
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<table>
<thead>
<tr>
<th>Cultural</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LIT 3082</td>
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<tr>
<td>LIT 3931</td>
<td>3 hrs</td>
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<tr>
<td>LIT 4233</td>
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<tr>
<td>RUT 3505</td>
<td>3 hrs</td>
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<tr>
<td>RUS 3955</td>
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</table>

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

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.

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

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. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu, 407-823-5430

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.

Restricted Electives (12 hrs)
- Select 4 courses from the following list.
  - CIS 3380: Security in Computing
  - CIS 3382: Cryptography and Information Security
  - CIS 4615: Network Security and Privacy or Secure Operating Systems and Administration or Secure Software Development and Assurance
  - CNT 4703C: Design and Implementation of Computer Communication Networks or Analysis of Computer Communication Networks or Operating Systems or Computer Communication Networks
  - COP 4600: Operating Systems or CIS 4615: Network Security and Privacy or Secure Operating Systems and Administration or Secure Software Development and Assurance
  - EEL 4781: Computer Communication Networks or CIS 3380: Security in Computing

Other Requirements
- Students should see an advisor prior to registering for classes
- Total Semester Hours Required
- 19
- 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. J. Jasinski, Jana.Jasinski@ucf.edu
Phone: 407-823-3744

Minor Admission Requirements
- The minor is not open to Sociology majors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 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 department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the 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
- 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.
- Co-op or internship credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Email: ffacult@ucf.edu
Phone: 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
  - SPN 3760  Advanced Spanish Oral Communication  3 hrs
  - SPN 3420  Spanish Composition  3 hrs

Restricted Upper Division Electives 12 hrs

Foreign Language Requirements
- None
Minors

Sport Business Management (SPB): Business Majors - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 205
http://web.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business majors only. There are different curriculum and course requirements for Non-Business majors. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (12 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
MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
SPB 4304 Sports Event and Facility Management 3 hrs
SPB 4804 Sport Business and Media 3 hrs
GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 18

Other Requirements
■ SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor, except MAR 4711 which has MAR 3023 as a prerequisite.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
■ 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 or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Non-Business Majors - Minor

College of Business Administration
DeVos Sport Business Management,
Business Administration II, Room: 205
http://web.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for SPB Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Non-Business Majors only. There are different curriculum and course requirements for Business majors. A 2.5 GPA in the minor is required in order to receive this minor.

Minor Admission Requirements
■ None
Minimum Requirements
■ None
Prerequisite Courses
■ None

Required Courses (18 hrs)
SPB 3003 Introduction to Sport Business Management 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
MAR 3023 Marketing 3 hrs

Required Courses (9 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
MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
SPB 4304 Sports Event and Facility Management 3 hrs
SPB 4804 Sport Business and Media 3 hrs
GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
■ None
Total Semester Hours Required
■ 24

Other Requirements
■ SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor, except MAR 4711 which has MAR 3023 as a prerequisite. However, students may (but are not required to) take FIN 2100 and MAR 3023 before taking SPB 3003.
■ Students must have sophomore, junior or senior standing to enroll in SPB 3003.
■ Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
■ 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 or elective courses can count toward another major or minor degree program.
Minors

- 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 or elective 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
- 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
- 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 this 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/
Email:
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-325-6293

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

Required Courses
- ADE 4382  Teaching Adult Learners in Technical Programs  3 hrs
- ECT 4384  Advanced Teaching Techniques for Career Education  3 hrs
- ECT 3062  Professional Roles of the Career & Technical Teacher  3 hrs
- ECT 3367  Evaluation of Career & Technical Education Instruction  3 hrs
- ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
- ECT 4004  Principles and Practices of Technical Education  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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, Room: 309
http://www.cei.ucf.edu
Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend technical expertise with broad entrepreneurial thinking skills. This combination prepares students to create technology and business model innovations that enrich society and create wealth. This minor prepares students in engineering, science, and other technology disciplines to create, enhance and manage technology ventures, including projects developed within corporate settings.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4111  New Venture Finance  3 hrs
- GEB 4152  Tech Innovation & Entrepreneurship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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.

UNIVERSITY OF CENTRAL FLORIDA

390 Undergraduate Catalog 2014-2015
Minors

Select 1
MAN 4802  New Venture and Small Business  3 hrs
EGN 4641C  Engineering Entrepreneurship  3 hrs

Restricted Electives  (6 hrs)
Innovation Design or Research Sequence  6 hrs
- Any 6 credit hour sequence approved by the program coordinator in conjunction with a faculty in a partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. The following examples of 6 hour course combinations for restricted electives are provided for illustrative purposes. Any 6 hour discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in conjunction with faculty in a partner discipline would satisfy this 6 hour elective requirement. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (ENG 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field of research courses that specifically address entrepreneurship or innovation.

BSEE, BSCPE:  6 hrs
EEL 4914  Senior Design I and  3 hrs
EEL 4915L  Senior Design II  3 hrs

BSME:  6 hrs
EML 4501C  Engineering Design I and  3 hrs
EML 4502C  Engineering Design II  3 hrs

BSAE:  6 hrs
EAS 4700C  Aerospace Design I and  3 hrs
EAS 4710C  Aerospace Design II  3 hrs

Digital Media:  6 hrs
DIG 4713  Game Design and  3 hrs
DIG 4715C  Game Production  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.
- A cumulative GPA of 2.0 is required to successfully complete the minor.
- Students must have a grade of “C” (2.0) or better in all courses in the minor.
- At least 12 credit hours in the minor must be from UCF.

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/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)
DSC 4012  Terrorism  3 hrs
INR 4084  Politics of International Terrorism  3 hrs

Restricted Electives  (12 hrs)
Select two from the following:  6 hrs
INR 3930H  ST: Honors Terrorism from a Global Perspective  3 hrs
INR 4335  Coercion in International Politics  3 hrs
INR 4364  American Security Policy  3 hrs
DSC 4013  Homeland Security and Criminal Justice  3 hrs
CCJ 4076  Crime Intelligence and Investigative Support Analysis  3 hrs
POS 3253  Contemporary Revolution and Political Violence  3 hrs

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:
CPO 3403  Politics of the Middle East and ASH 3223  The Modern Middle East  3 hrs
ASH 3223  The Modern Middle East  3 hrs
LAH 3400  History of Mexico and Central America and INR 4243  International Politics of Latin 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
- Email the following application materials to theatre@ucf.edu:
- A statement of why you want to become a Theatre Minor
Minors

- 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
- TPP 2101 Fundamentals of Acting 3 hrs
- TPA 2200 Introduction to Technical Theatre 2 hrs
- TPA 2290L Theatre Participation-Production I 1 hr

Restricted Electives (6 hrs)
- Any DAA, DAN, 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.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

Urban and Regional Planning - Minor

College of Health and Public Affairs
School of Public Administration, Health and Public Affairs II, Room: 238
Email: pa/ba/bs@ucf.edu
Dr. Michael Abels
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 3330 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.

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 Studies - Minor

College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 118
http://womensstudies.caah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana, 407-823-6502
Phone: 407-823-6502

The Women’s Studies minor provides 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, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- WST 3015 Introduction to Women’s Studies 3 hrs
- WST 3522 First and Second Wave Feminisms or 3 hrs
- WST 3561 Third Wave Feminisms or 3 hrs
- WST 3561 Third Wave Feminisms or 3 hrs
- WST 3621 Theories of Masculinity or 3 hrs
- WST 3621 Theories of Masculinity or 3 hrs
- WST 3561 Third Wave Feminisms or 3 hrs
- WST 4349 Ecofeminism or 3 hrs
- WST 4415 Global and Transnational Feminism or 3 hrs
- LIT 4554 Advanced Feminist Theories or 3 hrs
- PHM 3123 Feminist Theories 3 hrs

Select 3:
- Select three courses from the Theories Group.
## Women's History

- 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3020</td>
<td>Girls' Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3371</td>
<td>Women and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3460</td>
<td>Women, Race and Struggle</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3500</td>
<td>Gender Issues and Community Activism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3522</td>
<td>First and Second Wave Feminisms</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 3621</td>
<td>Theories of Masculinity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4002</td>
<td>Research in Women and Gender Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4021</td>
<td>Girls and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4349</td>
<td>Ecofeminism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WST 4415</td>
<td>Global and Transnational Feminism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Women's History

#### AMH 3561
Women in American History I 3 hrs

#### AMH 3562
Women in American History II 3 hrs

#### ASH 4304
Women in China 3 hrs

#### EHU 4610
Women in European Society: From Medieval to Modern 3 hrs

#### AMH 4680
Women in American Science 3 hrs

#### JST 3510
Notable Women in Jewish History 3 hrs

### Representations of Women

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3263</td>
<td>Contemporary American Women’s Fiction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 4871</td>
<td>Women in Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3800C</td>
<td>Images of Women in Film</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3383</td>
<td>Women in Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3823</td>
<td>Hispanic Women Writers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3022</td>
<td>Sexuality, Gender &amp; Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3381</td>
<td>Women Writers of Color</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3266</td>
<td>Early American Women’s Words</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Women’s Wellness

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3164</td>
<td>Women’s Mental Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NSP 4425</td>
<td>Women’s Health Issues</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Women and Social Policy

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4085</td>
<td>Women, Gender, and Globalization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>Women and Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4810</td>
<td>Women in Contemporary Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4813</td>
<td>Women, Law and Social Change</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4100</td>
<td>Family Trends</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>Sex and Gender in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>Family Values</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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

### Office 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 (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3333</td>
<td>World Comparative Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3610</td>
<td>Language and Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3319</td>
<td>Slavery, Resistance, and Cultural</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3363</td>
<td>Islam</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Economics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4702</td>
<td>Culture, Power and Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3703</td>
<td>International Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 3302</td>
<td>Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FST 3008</td>
<td>Culture and Cuisine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4866C</td>
<td>Exploring Wines of the World</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3868</td>
<td>History and Culture of Wine</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4894</td>
<td>International Gastronomy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3363</td>
<td>Islam</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Biological and Geophysical Environment

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3150</td>
<td>Foundations of Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3302</td>
<td>Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 4510</td>
<td>Environment and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4735</td>
<td>Tourism Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</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 3640</td>
<td>Environmental Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Social Structure and Change
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
PLA 4830 World Legal Systems 3 hrs
SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
FIL 3845 World Cinema Traditions 3 hrs
COM 4461 Intercultural Communication 3 hrs
LIN 4643 Cross Cultural Communication 3 hrs
THE 4212 Global Theatre 3 hrs
FIL 3842 International Cinema 3 hrs

World Independent Specialization
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements
- 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.

Total Semester Hours Required
- 18

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
Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

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. 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 (18 hrs)
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDG 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
TSL 4943 L2 Academic Language Instruction 3 hrs
TSL 4942 ESOL Field Experience 3 hrs

Select 1: 3 hrs
TSL 4240 Issues in Second Language Acquisition or TSL 4945 ESOL Clinical Experience

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

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. 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 Theory and Practice of Teaching ESOL 3 hrs
TSL 4943 L2 Academic Language Instruction 3 hrs
TSL 4942 ESOL Field Experience 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
Minors

Foreign Language Teaching in Elementary Schools  3 hrs
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. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

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. Student must provide all supporting information.

Minor Requirements
Students should consult with a department advisor.
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)
ENC 3331  Rhetoric and Civic Engagement  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 3330  Rhetorical Traditions  3 hrs
ENC 3373  Cultural Rhetorics  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 Rhetoric and Writing
ENC 3311  Essay as Cultural Commentary  3 hrs
ENC 3315  Argumentative Writing  3 hrs
ENC 4353  Writing for Social Change  3 hrs
ENC 3375  Rhetoric in Popular Culture  3 hrs
ENC 4354  Writing with Communities and Nonprofits  3 hrs
ENC 3372  Topics in Civic Rhetoric and Writing  3 hrs
ENC 4378  Writing in Global and Transnational Contexts  3 hrs

Professional and Digital Writing
ENC 3250  Professional Writing  3 hrs
ENC 4212  Professional Editing  3 hrs
ENC 3453  Writing About Health and Medicine  3 hrs
ENC 4355  Writing about Science and Technology  3 hrs
ENC 4354  Topics in Professional and Digital Writing  3 hrs
ENC 3473  Writing in Disciplinary Cultures  3 hrs
ENC 3351  Writing for Publication  3 hrs
ENC 4416  Writing in Digital Environments  3 hrs
ENG 3833  Marketing Your Writing  3 hrs
ENC 3433  Multimedia Writing and Composition  3 hrs
ENC 4275  Theory and Practice of Tutoring Writing  3 hrs

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 complete an electronic writing portfolio approved by the program director or advisor.
Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the minor.
A grade of "C" (2.0) 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 course of study.
■ 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)
- GET 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs
- 1 SOW 4510 Field Education 9 hrs
- 2 SOW 4941 Internship 9 hrs
- HSA 4941 Internship 3 hrs
- PSY 3951 Undergraduate Field Work 3 hrs
- SYP 4941 Internship 3 hrs

1 Full-time social work majors ONLY. Cannot be used with SOW 4941.
2 Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

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
- PLT 4266 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs

Other Colleges 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 5007 Women and Healthy Aging 3 hrs
- SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
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 (12 hrs)
■ 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 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
■ Complete both classes:
- PPE 3003 Personality Theory and Research and 3 hrs
- SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3571 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 3 hrs
- CLP 3302 Clinical Psychology 3 hrs
- CLP 4134 Childhood Psychopathology 3 hrs
- PCO 4203C Interviewing and Counseling 3 hrs

Sociology: Select from the following: 6 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
## Certificates

**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)

- CJE 3662 CJ Information Technology and Data Management 3 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs

**Restricted Electives** (6 hrs)

- Select two of the following:
  - CCJ 3451 Justice System Technology 3 hrs
  - CCJ 3444 Crime Prevention 3 hrs
  - CCJ 4654 Crime and Place 3 hrs
  - CCJ 3450 The Criminal Justice Manager 3 hrs
  - CJE 4352 Policy Development in Law Enforcement 3 hrs
  - CJE 4572 Justice Agency Operations 3 hrs

**Foreign Language Requirements**

- None

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**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

**Required Courses** (18 hrs)

- SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
- SOW 4654 Children’s Services 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention 3 hrs

**Select 1:** 9 hrs

1. SOW 4510 Field Education or 3 hrs
2. SOW 4941 Internship 9 hrs

1 (for full-time students ONLY)
2 (for part-time students over two semesters)

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

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**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

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**Other Requirements**

- None

**Total Semester Hours Required**

- 15

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>SYP 3562</td>
<td>Patterns of Domestic Violence in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4514</td>
<td>Patterns of Violence in Society</td>
<td>3 hrs</td>
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<tr>
<td>SYP 4521</td>
<td>Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4536</td>
<td>Gangs and Society</td>
<td>3 hrs</td>
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**Criminal Justice: Select from the following:** 3 hrs

- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4630 Serial Murder and Criminal Justice 3 hrs
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 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
- CCJ 4690 Sex Offenders and the Criminal Justice System 3 hrs

**Restricted Electives** (6 hrs)

- Select two of the following:
  - CCJ 3451 Justice System Technology 3 hrs
  - CCJ 3444 Crime Prevention 3 hrs
  - CCJ 4654 Crime and Place 3 hrs
  - CCJ 3450 The Criminal Justice Manager 3 hrs
  - CJE 4352 Policy Development in Law Enforcement 3 hrs
  - CJE 4572 Justice Agency Operations 3 hrs

**Foreign Language Requirements**

- None

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<td>CCJ 4076</td>
<td>Crime Intelligence and Investigative Support Analysis</td>
<td>3 hrs</td>
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<tr>
<td>CCJ 4683</td>
<td>Crime Mapping and Pattern Analysis</td>
<td>3 hrs</td>
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<tr>
<td>CJE 3450</td>
<td>Justice System Technology</td>
<td>3 hrs</td>
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Certificates

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 4183 Archaeological 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 3115 Archaeological Method and Theory 3 hrs
CCJ 4195 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
□ Course substitutions must be approved by both departments in advance.

Criminal Profiling - 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

Restricted Electives (3 hrs)
□ Select one of the following:
DSC 4012 Terrorism 3 hrs
CCJ 4610 Criminal Investigation 3 hrs
CCJ 4195 Interviews & Interrogations in CJ 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
Office 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 3700 Guest Services Management I 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:
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 3 hrs
ANT 3115 Archaeological Method and Theory 3 hrs
ANT 3701 Applied Anthropology 3 hrs

Environmental Tourism area (choose two classes)
BOT 3152C Local Flora 3 hrs
PCB 3443 Aquatic Ecology 3 hrs
INR 4351 International Environmental Law 3 hrs

398 Undergraduate Catalog 2014-2015
Select two courses from the following list:

**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
- CPO 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 Latin American History II 3 hrs
- LAH 3200 Modern Latin America 3 hrs

**Foreign Language Requirements**
- None

**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.
- A grade of "C" (2.0) or better is required in each course.
- 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.

**Diplomacy - Certificate**

**College of Sciences**

**College of Arts and Humanities**

**Department of Political Science,**
Phillips Hall, Room: 302
Department of History, Colbourn Hall, Room: 551
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.

**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)
  - INR 4030 Diplomacy 3 hrs
  - AMH 4513 United States as a Great Power: 1945-Present 3 hrs
  - INR 4102 American Foreign Policy 3 hrs

**Restricted Electives**
- (6 hrs)
  - Select two courses from the following list: 6 hrs
    - INR 4114 American Security Policy 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 4174 Politics of International Trade Policy or 3 hrs
    - INR 4104 Topics and Cases in American Foreign Policy or 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.

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**Educational Studies - Certificate**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**
**Education Building,** Room: 220B
http://education.ucf.edu/edcert
Email: wwise@ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for 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 certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education and Human Performance. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (12 hrs)
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - EDF 4467 Learning Theory and Assessment Management 3 hrs
  - EDG 4410 Teaching Strategies and Classroom 3 hrs
  - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

**Restricted Electives**
- (3 hrs)
  - Choose one:
    - MAE 4834 Programs in Teaching of Mathematics 3 hrs
    - SSE 4936 Programs in Teaching Social Science 3 hrs
    - LAE 4464 Survey of Adolescent Literature 3 hrs
    - LAE 4342 Programs in Teaching Language and Composition 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**
- 15

**Other Requirements**
- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
Certificates

- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.

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  0 hrs
- EGS 3031  Leadership in Engineering II  0 hrs
- Engineering Leadership Capstone  3 hrs

Pick 2 of the following courses 6 hrs
- GEB 4152  Tech Innovation & Entrepreneurship or 3 hrs
- EGS 4624  Engineering Innovation and Leadership or 3 hrs
- MAR 3391  Professional Selling  3 hrs

Engineering Leadership Capstone

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- 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 and a banking faculty member.

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  3 hrs
  - FIN 4941  Finance Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

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)
- ACG 3131  Intermediate Financial Accounting I  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 4941  Finance Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

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)
- ACG 3131  Intermediate Financial Accounting I  3 hrs
- ACG 3141  Intermediate Financial Accounting II  3 hrs
- FIN 4941  Finance Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None
### Finance: Investments - Certificate

**College of Business Administration**

**Department of Finance,**

**Business Administration I, Room: 409**


*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 at 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
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4941 Finance Internship 3 hrs

#### Restricted Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 12

### Human Biology - Certificate

**College of Sciences**

**Department of Anthropology**

[http://cos.ucf.edu/anthropology](http://cos.ucf.edu/anthropology)

**Department of Biology**

[http://cos.ucf.edu/biology](http://cos.ucf.edu/biology)

Dr. John Schultz, John.Schultz@ucf.edu

Frank Logiudice, Frank.Logiudice@ucf.edu

The Human Biology certificate blends biological anthropology with a foundation in human 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
- 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

#### Prerequisite Courses
- None

#### Required Courses
- ANT 2511 The Human Species 3 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- PCB 3036 Genetics 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPC 4540 Persuasion and Communication 3 hrs

#### Restricted Electives
- None

#### Other Requirements
- None

### Health Communication - Certificate

**Nicholson School of Communication**

**College of Sciences**

**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
- COM 3330 Computer Mediated Communication 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs

#### Restricted Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 12
Certificates

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 3115  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.

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
Dr. Moshe Pelli, 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 with 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)

Language
- HBR 1120  Elementary Modern Hebrew Language and Culture I  4 hrs
- HBR 1121  Elementary Modern Hebrew Language and Culture II  4 hrs
- HBR 2200  Intermediate Modern Hebrew I  3 hrs
- HBR 2201  Intermediate Modern Hebrew II  3 hrs
- HBR 3250  Biblical Hebrew  3 hrs
- HBR 3410  Conversational Israeli Hebrew  3 hrs

Jewish History
- JST 3401  Jewish People in Antiquity  3 hrs
- JST 3402  Wanderings: The Jewish People in Dispersion  3 hrs
- JST 3481  20th Century Jewish History and Thought  3 hrs
- JST 3701  History of the Holocaust  3 hrs
- JST 3415  American Jewish History  3 hrs
- JST 3417  Sephardi Jews: History, Culture, and Folklore  3 hrs

Bible
- JST 3120  Hebrew Scriptures  3 hrs
- JST 3125  The Book of Job  3 hrs
- JST 3126  Romantic Love in the Bible  3 hrs
- JST 3144  Dead Sea Scrolls  3 hrs
- JST 3190  The Biblical Prophets  3 hrs
- JST 3424  Biblical Archaeology  3 hrs

Literature
- JST 3130  The Hebrew Creative Mind  3 hrs
- JST 3312  Identity and Genre  3 hrs
- JST 3751  Literature of the Holocaust  3 hrs
- JST 3803  The Israeli Experience in Short Stories  3 hrs

Jewish Civilization
- JST 3005  Tenets of Judaism  3 hrs
- JST 3121  Classic Texts of Judaism  3 hrs
- JST 3210  Kabbalah: Jewish Mysticism  3 hrs
- JST 3620  Contemporary Jewish Ethics and Morality  3 hrs

Culture
- JST 3450  Modern Jewish Experience  3 hrs
- JST 3810  The Jewish National Movement and Roots of Zionism  3 hrs
- JST 3820  Modern Israeli Culture  3 hrs
- 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  Building a Nation - the Challenges to and Accomplishments of the State of Israel  3 hrs

Other courses, including special topics, with the approval of the Director

Restricted 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.
- 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.
Leadership Studies - Certificate
Office 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 (11 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>LIN 3716L</td>
<td>Language Development Lab</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LIN 3713</td>
<td>Language Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives
[ ] None

Foreign Language Requirements
[ ] None

Total Semester Hours Required
[ ] 11

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.
[ ] At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
[ ] No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - 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/comdis
Email: csundergraduate@ucf.edu
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, neurologists, 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 but are 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 (13 hrs)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR 2001</td>
<td>Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>LDR 2002</td>
<td>Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Restricted Requirements
[ ] Choose one course from three of the areas below:

Communication (3 hrs)
- COM 3011C Communication and Human Relations
- COM 3120 Organizational Communication
- COM 4461 Intercultural Communication
- COM 4462 Conflict Management

Collaboration (3 hrs)
- INP 3004 Industrial/Organizational Psychology
- INP 4313 Organizational Psychology
- MAN 4240 Organizations: Theory and Behavior
- MAN 3025 Management of Organizations
- SPC 4426 Group Dynamics

Social Relations and Culture (3 hrs)
- ANT 3541 Biobehavioral Anthropology
- CLP 3143 Abnormal Psychology
- COM 4461 Intercultural Communication
- EXP 3304C Motivation
- SOP 3034 Social Psychology
- SOP 3723 Cross Cultural Psychology
- SOP 3742 Psychology of Women
- SOP 3764 Psychology of Diversity

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
[ ] 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.

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.
## Certificates

**Certificate Admission Requirements**
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 4715  Entertainment Marketing  3 hrs
- MAR 4941  Marketing Internship  3 hrs

1 Internship in entertainment-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Marketing: Retailing Management - Certificate

**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 4712  Healthcare Marketing  3 hrs
- MAR 4941  Marketing Internship  3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Marketing: Healthcare Marketing - Certificate

**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors.
- These six hours count as elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 4712  Healthcare Marketing  3 hrs
- MAR 4941  Marketing Internship  3 hrs

1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Marketing: Selling and Sales Management - Certificate

**College of Business Administration**
**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing Majors.
- These six hours count as elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- MAR 3403  Sales Force Management  3 hrs
- MAR 4941  Marketing Internship  3 hrs

1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

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 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.
■ 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 3 hrs
ANT 2010 U.S. History: 1492-1877 3 hrs
ANT 2020 U.S. History: 1877-Present 3 hrs

Required Courses (9 hrs)
ANT 3152 Indians of the Southwest 3 hrs
ANT 3158 Florida Archaeology 3 hrs
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
LAM 3101 Latin American Popular Culture 3 hrs
CPD 4794 Indigenous Politics and the Environment 3 hrs
POS 3076 American Indian Politics 3 hrs

Restrictive Electives (6 hrs)
Choose from the following:
AMH 3441 History of the Frontier: Eastern America 3 hrs
AMH 3580 North American Indians 3 hrs

Foreign Language Requirements
■ None
Certificates

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/pubadm
Email: pa/ba/bs@ucf.edu
Mary Ann Feldheim, 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. Certificates will be awarded only at the time of degree completion.

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

Additional Restricted Elective (3 hrs)
■ Students must take one of the following courses:
  ENC 3311  Essay as Cultural Commentary  3 hrs
  ENC 3315  Argumentative Writing  3 hrs
  ENC 3351  Writing for Publication  3 hrs
  ENC 4354  Writing with Communities and Nonprofits  3 hrs
  ENC 4416  Writing in Digital Environments  3 hrs
  ENC 4212  Professional Editing  3 hrs
  ENC 3453  Writing About Health and Medicine  3 hrs
  ENC 3455  Writing about Science and Technology  3 hrs
  ENC 4353  Writing for Social Change  3 hrs
  ENG 3833  Marketing Your Writing  3 hrs
  ENC 3433  Multimedia Writing and Composition  3 hrs
  ENC 4378  Writing in Global and Transnational Contexts  3 hrs

Total Semester Hours Required
■ 12

Other Requirements
■ Students must complete an electronic writing portfolio approved by the program director.
■ Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the certificate.
■ A grade of “C” (2.0) or better is required in each course.
■ At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None

Required Courses (15 hrs)

- REE 3043  Fundamentals of Real Estate  3 hrs
- REE 3343  Real Estate Law  3 hrs
- REE 4204  Residential Real Estate Finance  3 hrs
- REE 4203  Commercial Real Estate Finance  3 hrs

Select 1:
■ 3 hrs
  - MAR 3391  Professional Selling  3 hrs
  - REE 4941  Internship  3 hrs

Other Requirements
■ Students must make up the minimum of 6 hours used to satisfy the certificate.
■ Students must take one of the following courses:
  ENC 3311  Essay as Cultural Commentary  3 hrs
  ENC 3315  Argumentative Writing  3 hrs
  ENC 3351  Writing for Publication  3 hrs
  ENC 4354  Writing with Communities and Nonprofits  3 hrs
  ENC 4416  Writing in Digital Environments  3 hrs
  ENC 4212  Professional Editing  3 hrs
  ENC 3453  Writing About Health and Medicine  3 hrs
  ENC 3455  Writing about Science and Technology  3 hrs
  ENC 4353  Writing for Social Change  3 hrs
  ENG 3833  Marketing Your Writing  3 hrs
  ENC 3433  Multimedia Writing and Composition  3 hrs
  ENC 4378  Writing in Global and Transnational Contexts  3 hrs

Total Semester Hours Required
■ 12

Other Requirements
■ Students must complete an electronic writing portfolio approved by the program director.
■ Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the certificate.
■ A grade of “C” (2.0) 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.

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. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

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. Student must provide all appropriate documentation.

Certificate Requirements
■ Students should consult with a department advisor.
■ 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 3331  Rhetoric and Civic Engagement  3 hrs

Select 1:
■ 3 hrs
  - ENC 3250  Professional Writing  3 hrs
  - ENC 3241  Writing for the Technical Professional  3 hrs
  - ENC 3211  Theory and Practice of Technical Writing  3 hrs

Restricted Electives (6 hrs)
Applications of Public and Professional Writing
■ 3 hrs

Additional Restricted Elective (3 hrs)
■ Students must take one of the following courses:
  ENC 3311  Essay as Cultural Commentary  3 hrs
  ENC 3315  Argumentative Writing  3 hrs
  ENC 3351  Writing for Publication  3 hrs
  ENC 4354  Writing with Communities and Nonprofits  3 hrs
  ENC 4416  Writing in Digital Environments  3 hrs
  ENC 4212  Professional Editing  3 hrs
  ENC 3453  Writing About Health and Medicine  3 hrs
  ENC 3455  Writing about Science and Technology  3 hrs
  ENC 4353  Writing for Social Change  3 hrs
  ENG 3833  Marketing Your Writing  3 hrs
  ENC 3433  Multimedia Writing and Composition  3 hrs
  ENC 4378  Writing in Global and Transnational Contexts  3 hrs

Foreign Language Requirements
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ Students must complete an electronic writing portfolio approved by the program director or advisor.
■ Students must earn a minimum of a 2.5 GPA overall in coursework used to satisfy the certificate.
■ A grade of “C” (2.0) 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.
Certificates

Real Estate: Real Estate Appraisal - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None

Required Courses (15 hrs)
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
REE 4103 Real Estate Appraisal and Valuation 3 hrs
MAR 3391 Professional Selling 3 hrs
\(^1\) REE 4941 Internship 3 hrs

\(^1\) Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15
Other Requirements
■ None

Real Estate: Real Estate Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None

Required Courses (15 hrs)
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
REE 4303 Real Estate Investment Analysis 3 hrs
MAR 3391 Professional Selling 3 hrs
\(^1\) REE 4941 Internship 3 hrs

\(^1\) Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
■ None
Foreign Language Requirements
■ None
Total Semester Hours Required
■ 15
Other Requirements
■ None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvice@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/ Private Security 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
Certificates

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
Office of Undergraduate Studies
Office of Experiential Learning,
Career Services and Experiential Learning, 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
- 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.


declare substitute teaching as a certificate

Substitute Teaching - Certificate
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/subteach
Email: wwise@ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

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 (9 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 9

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.

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
- 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

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education and Human Performance.
Certificates

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
Email: flfacult@ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

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 (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.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs, Room: 311
Email: cjadvice@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:
  - CCJ 4129 Cultural Diversity in Criminal Justice 3 hrs
  - CCJ 4209 Sex Offenders and the Criminal Justice System 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.

Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies, Colbourn Hall, Room: 118
http://womensstudies.cah.ucf.edu/
Email: womenst@ucf.edu
Dr. M.C. Santana
Phone: 407-823-6502

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None
### Certificates

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (3 hrs)
  - WST 3015  Introduction to Women’s Studies  3 hrs

**Restricted Electives**
- (9 hrs)
  - See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

**Internship Option:**
- 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**
- 12

**Other Requirements**
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
ACCELERATED UNDERGRADUATE-GRADUATE PROGRAMS

Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.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. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

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.

Degree Requirements
■ None

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 of 2.50 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.
EAS 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 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 3 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EGN 3601 Solid Mechanics 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EML 4226 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
■ 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 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 or MSME 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.

UNIVERSITY OF CENTRAL FLORIDA
411 Undergraduate Catalog 2014-2015
Accelerated Undergraduate-Graduate Programs

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- 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. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

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

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
(B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis/
Email: csdundergraduate@ucf.edu
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

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:  3 hrs
Suggested STA 2014C Principles of Statistics or
Suggested STA 2023  Statistical Methods I  3 hrs

Select 2:  3 hrs
Suggested STA 2023  Statistical Methods II  3 hrs
Select 3:  3 hrs
Suggested STA 3024  Introduction to Statistical Methods  3 hrs
Suggested ECO 2023  Principles of Macroeconomics or
Suggested ECO 2023  Principles of Microeconomics or
Suggested POS 2041  American National Government  3 hrs

2. Common Program Prerequisites (CPP)
- STA 2023  Statistical Methods I and GEP
- Select 1:  3 hrs
Suggested ECO 2023  Principles of Macroeconomics or
Suggested ECO 2023  Principles of Microeconomics or
Suggested POS 2041  American National Government  3 hrs

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  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
SPA 3011  Speech Science I: Production  3 hrs
SPA 3011B  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 4032  Audiology  3 hrs
SPA 4326  Hearing Disorders Across the Lifespan  3 hrs
DEP 2004C  Developmental Psychology  3 hrs
LIN 3716L  Language Development Lab  2 hrs
LIN 3713  Language Science  3 hrs

Select 1:  3 hrs
EAB 3703C  Principles of Behavior Modification or
EEX 4601  Introduction to Behavior Management or
EEX 4604  Classroom Management and Guidance of Young Children or
EDF 3303  Learning Environments and Guidance for Young Children or
SPA 3472  Guidance of Young Children with Communication Disorders or
EEX 3450  Young Children With Special Needs  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:
- STA 2014C Principles of Statistics and  GEP
- SPA 6805  Research in Communicative Disorders  3 hrs
or
- 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 (3 hrs)
- 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. 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
- Exceptional Student Education
- 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>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
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</tr>
<tr>
<td>SPA 6410</td>
<td>3 hrs</td>
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<tr>
<td>SPA 6496</td>
<td>6 hrs</td>
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<tr>
<td>SPA 6805</td>
<td>3 hrs</td>
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<tr>
<td>SPA 6551</td>
<td>1 hr</td>
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</table>

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: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu
Email: eccepe-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
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.

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)

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core (6 hrs)

Select 1:
- EGN 3310 Engineering Analysis-Statics
- STA 3032 Probability and Statistics for Engineers

Courses Required for the Major (48 hrs)

- COP 3502C Computer Science I
- COP 3503C Computer Science II
- COP 3330 Object Oriented Programming
- COP 4311C Processes for Object-Oriented Software Development
### Accelerated Undergraduate-Graduate Programs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EEL 3004C</td>
<td>Electrical Networks</td>
<td>3 hrs</td>
</tr>
<tr>
<td>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>EEE 3342C</td>
<td>Digital Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>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>EGN 3211</td>
<td>Engineering Analysis and Computation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSPE 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 4915 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

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 Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- 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 School of Electrical Engineering & Computer Science for acceptable courses.

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: $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 Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 437**
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Ronda Leigh, Ronda.Leigh@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.

**Degree Requirements**
- None

1. UCF General Education Program (GEP) (39 hrs)
   - See Computer Science major in the catalog for track specific GEP requirements.
   - Communication Foundations
   - Cultural & Historical Foundations
   - Mathematical Foundations
   - Social Foundations
   - Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
   - See Computer Science major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (24 hrs)
   - STA 2023 Statistical Methods I GEP
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 3 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - CDA 3103 Computer Logic and Organization 3 hrs
4. Core Requirements: Advanced Level (21 hrs)
   A “C” (2.0) or better is required in all courses listed.
   Only the highest grade is used in the calculation.
   Students must maintain at least a 2.5 GPA in the following courses.
   Only the highest grade is used in the calculation.

   - COP 4331C Processes for Object-Oriented Software 3 hrs
   - EEL 4768 Computer Architecture 3 hrs
   - COP 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
   - MAP 2302 Ordinary Differential Equations I 3 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - MAS 3106 Linear Algebra 4 hrs

5. Restricted Electives (15 hrs)
   5000 level Computer Science courses 9 hrs
   - Must be offered by Computer Science at UCF. 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).

   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.

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
    - Complete an exit survey

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.oeeas.ucf.edu/alc/academic_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 Engineering and Computer Science
Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu
Email: eecpe-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
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.

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

UNIVERSITY OF CENTRAL FLORIDA
415
Undergraduate Catalog 2014-2015
2. Common Program 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.
4. Core Requirements: Advanced Level (53 hrs)
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)
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
   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 School of Electrical Engineering & Computer Science 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.oelas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $30 per term
■ Full-Time Student: $60 per term

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. Peter Larson
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.
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.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- 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

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

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
2. AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHU 2000</td>
<td>Western Civilization I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EHU 2001</td>
<td>Western Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 4150</td>
<td>History and Historians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (21 hrs)

- (Must be taken within the History Department)

Select six hours of approved history courses 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

Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

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 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.

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio 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.
Accelerated Undergraduate-Graduate Programs

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 vary depending on the MS track the student chooses. Courses 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
   - EGN 3310 Engineering Analysis-Statistics 3 hrs
   - EGN 3311 Engineering Analysis-Dynamics 3 hrs
   - EGN 3312 Engineering Analysis-Policy 3 hrs
   - EGN 3373 Principles of Electrical Engineering 3 hrs
   - EIN 5108 The Environment of Technical Organizations 3 hrs
   - EGS 1006C Introduction to the Engineering Profession 1 hr
   - 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.

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.iems.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
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements
- None
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 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.oelas.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. or M.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering, Engineering, Room: 381
http://www.mae.ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

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.

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)
   - 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 GEP
   - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   - EML 3303C Mechanical Engineering Measurements 3 hrs
   - EGM 3601 Solid Mechanics 3 hrs
   - EML 3701 Fluid Mechanics I 3 hrs
   - EML 4142 Heat Transfer 3 hrs
   - EML 3217 Engineering Mechanics - Dynamics 3 hrs
   - EML 4225 Introduction to Vibrations and Controls 3 hrs
   - EML 3500 Design and Analysis of Machine Components 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 4780 Fluid Mechanics II or 3 hrs
   - EML 4504 Design & Analysis of Machine Components II 3 hrs
Accelerated Undergraduate-Graduate Programs

Select 1 of the Following: 3 hrs
EML 4301C Mechanical Systems Lab or 3 hrs
EML 4306C Energy Systems Lab 3 hrs

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.
- 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 (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
123

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.

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.
  - EML 3990 Mechanical Career and Academic Faculty 0 hrs Advising I
  - EML 4991 Mechanical Career and Academic Faculty 0 hrs Advising II

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E.Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link
- http://www.graduatemajor.ucf.edu/content/Courses.aspx

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: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd Floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

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/.
- Application to the university must also be submitted 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.
Accelerated Undergraduate-Graduate Programs

Select 1: 3 hrs

SOW 3104 Assessing I: Human Development or 3 hrs
DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs

PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

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.

1. MCB 2004C Microbiology for Health Professionals 4 hrs
2. CHM 1032 General Chemistry 3 hrs
1. ZOO 3733C Human Anatomy 4 hrs
1. PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs

STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

1 science prerequisite
2 or other approved science prerequisite

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.

NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
NUR 3125 Pathophysiology for Nursing Practice 3 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 1 hr

1 Students without a research course on transcript must take NUR 3165

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

Admissions

- None

Graduation

- 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)
- 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
Accelerated Undergraduate-Graduate Programs

- 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
- 57

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 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
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other 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). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004C) or any Human Growth & Development Across Life Span (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

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

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
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu
Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Mary Lou Sole, Interim 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 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.
- 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 ENGL 1101 Composition I 3 hrs
- Required ENGL 1102 Composition II 3 hrs
- Preferred SPCH 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Preferred MAC 1105C College Algebra 3 hrs
- Required STA 2043 Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - SYG 2000 Introduction to Sociology or
  - PSY 2012 General Psychology

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics
  - POS 2041 American National Government

Select 1: 3 hrs
- Preferred ECO 2033 Principles of Macroeconomics or
- Preferred ECO 2043 Principles of Microeconomics
- Preferred POS 2041 American National Government

E: Science Foundations (6 hrs)
- Suggested BSC 2010C Biology I 4 hrs
  - Required CHM 1032 General Chemistry 3 hrs
  - 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)

2. Common Program Prerequisites (CPP) (18 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- MCB 2043C Microbiology for Health Professionals 4 hrs
- CHM 1032 General Chemistry 3 hrs
- ZOO 3733C Human Anatomy 3 hrs
- PCB 3703C Human Physiology 3 hrs
- HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
- STA 2043 Principles of Statistics or
- STA 2023 Statistical Methods I

Select 1: 3 hrs
- SOW 3104 Assessing I: Human Development or
- DEP 2004C Developmental Psychology

Select 1: 3 hrs
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology

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
■ None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4837L Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 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 Diagnostic Reasoning and
  - NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and
- NUR 4828 Nursing Leadership, Management and Role
- NUR 5800 Theory for Advanced Practice Nursing and

NURSING LEADERSHIP & MANAGEMENT TRACK
■ Takes the following 12 credits (nine graduate credits also applied to MSN)
- NGR 5720 Organizational Dynamics and
- NGR 5871 Health Care Informatics and
- NGR 5800 Theory for Advanced Practice Nursing and
- NUR 3065 Health Assessment and
- NUR 3065L Health Assessment Lab

1. On campus attendance required.

5. Restricted Electives
- Upper Division Credit
  - May be met by validation and RN License.
  - NUR 3028 Essentials of Nursing Practice
  - NUR 3028L Essentials of Nursing Practice Lab
  - NUR 3225N Nursing Care of the Adult I
  - NUR 3225L Nursing Care of the Adult I: Clinical Practice
  - NUR 3445 Nursing Care of Families
  - NUR 3445L Nursing Care of Families Clinical
  - NUR 3755L Essentials of Nursing Practice Clinical
  - NUR 4227 Nursing Care of the Adult II
  - NUR 4227L Nursing Care of the Adult II: Clinical Practice
  - NUR 4535 Psychiatric Mental Health Nursing
  - NUR 4535L Psychiatric Mental Health Clinical

2. May be met by validation and RN License.

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).

- 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.

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

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
Accelerated Undergraduate-Graduate Programs

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Related Programs
- Health Services Administration
- 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.o eas.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. James Beckman, James.Bekcman@ucf.edu, 407-823-1670
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 decelerate 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.
- 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, all UCF General Education Program requirements, all 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
   - B: Cultural & Historical Foundations (9 hrs)
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 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 (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
Accelerated Undergraduate-Graduate Programs

Supporting Courses
- 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.

6. Capstone Requirements
- 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

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
- 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

10. Required Minors
- None

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

Honors 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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
The University offers five 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, Business Administration, 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 may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. 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.

6. 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 Director of Transfer and Transition Services, 407-823-2231.

**Applied Science B.A.S. (A.S. to B.A.S.)**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

12201 Research Parkway, Suite 101

http://www.regionalcampuses.ucf.edu/

Jennifer Sumner, Jennifer.Sumner@ucf.edu, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. 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 their 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. If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus 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. **Common Program Prerequisites (CPP)**
   - None

3. **Core Requirements: Basic Level**
   - [MAN 3025](#) Management of Organizations 3 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

4. **Core Requirements: Advanced Level**
   - None

5. **Restricted Electives**
   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.

**Criminal Justice Track**

18 hrs

- [CCJ 3024](#) Criminal Justice System 3 hrs
- [CCJ 3014](#) Crime in America 3 hrs

Select 2:

- [CJI 3510](#) Prosecution and Adjudication or 3 hrs
- [CJC 3010](#) Corrections and Penology or 3 hrs
- [CJE 4014](#) Police and Society 3 hrs

Six additional hours of CCJ, CJC, CJE, CJI, or CJT courses, selected with the aid of an academic advisor

**UNIVERSITY OF CENTRAL FLORIDA**

426 Undergraduate Catalog 2014-2015
**Legal Studies Track**
- 18 hrs
- Take all of the following:
  - PLA 3014 Law and the Legal System and
  - PLA 3108 Legal Research
  - Select 4:
    - PL 3155 Legal Writing or
    - PL 3205 Civil Practice and Procedure or
    - PL 3277 The Law of Torts or
    - PL 3309 Criminal Procedure or
    - PL 4424 The Law of Contracts or
    - PLA 4703 Professional Ethics and Liability

**Health Services Administration**
- 18 hrs
- Take all of the following:
  - HSA 3111 U.S. Health Care Systems and
  - HSA 4201 Community Health and
  - HSA 4180 Organization & Management for Health Agencies I and
  - HSA 4191 Health Care Automation and
  - HSC 4500 Epidemiology
  - Select 1:
    - HSC 4652 Health Law and Ethics or
    - HSC 4109 Principles of Managed Care or
    - HSC 4702 Health Sciences Research Methods or
    - HIM 4580 Quality Management

**Information Technology Track**
- 21 hrs
- Requirements for the track: An A.S. degree in computer technology, computer related field or 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.

**Software Development Track**
- 21 hrs
- Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&A), 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.

**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
**Email:** cjadvise@mail.ucf.edu
**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.
Articulated A.S. Programs

- 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
- 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 (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
- 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
- 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/alacademic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration

Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida College System institution.

Admission Requirements
- Completion of a Statewide Articulated A.S. in Business Administration from a Florida College System institution which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

Degree Requirements
- Must complete all Gordon Rule requirements prior to admission to this degree.
- Students who change degree programs and select another major must adopt the most current catalog.
- 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.
- Students wanting to major in General Business must apply for admission to the major
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 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.
- Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.
1. UCF General Education Program (GEP) (12 hrs)
   - Students will complete 12 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 may come from the following areas:
   A: Communication Foundations
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations
   C: Mathematical Foundations
   D: Social Foundations
   E: Science Foundations

2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECS 2100C Computer Fundamentals for Business 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (37 hrs)
   - First or subsequent semester in the College of Business Administration:
     - BUL 3130 Legal and Ethical Environment of Business 3 hrs
     - ECO 3411 Quantitative Business Tools II 3 hrs
     - FIN 3403C Business Finance 3 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - GES 3375 Introduction to International Business 3 hrs
     - MAN 3301 Management of Organizations 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs
     - MAR 3203 Principles of Financial Accounting 3 hrs
     - MAR 3203 Management of Organizations 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs

5. Restricted Electives (12 hrs)
   - Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management 4 hrs
   - This course is taken in the graduating term and requires the following prerequisites:
     - FIN 3403C Business Finance 3 hrs
     - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
     - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - MAN 3025 Management of Organizations 3 hrs
     - MAR 3203 Supply Chain and Operations Management 3 hrs
   - Required in 1st or 2nd semester.
   - Must be taken with GEB 3031

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.
   - None
   - Admissions
   - Graduation
   - Electives
   - Must be outside of the College of Business (variable)

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - None

13. 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.

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.

Certificates
    - None

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.

ACG X001 and X011 will substitute for ACG 2021 at UCF

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.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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 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

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.
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level (3 hrs)
- MAC 1105C College Algebra 3 hrs

Select 1:
- CGS 2100C Computer Fundamentals for Business or 3 hrs
- STA 2023 Statistical Methods I GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (27 hrs)
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 4296 Hospitality Communications 3 hrs
- HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

Select 3
- HFT 3700 Tourism Management or 3 hrs
- HFT 3263 Restaurant 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 Yacht, Country, And City Club Management 3 hrs

Guest Lecture
- HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

1 See Program Advisor for course selection.

5. Restricted Electives (15 hrs)
- Students must take 15 credit hours (five courses) from the following:

Select 3
- HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
- HFT 4651 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
- HFT 4866C Exploring Wines of the World 3 hrs
- HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
- HFT 4894 International Gastronomy 3 hrs
- HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks
- Theme Park and Attraction Mgmt Track (15 hrs)
- HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
- HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
- HFT 4614 Risk Management 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

Universities of Central Florida 430 Undergraduate Catalog 2014-2015
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 Golf & Club Event Operations or 3 hrs
HFT 3384 Golf and Club Enterprises Management or 3 hrs
HFT 4358 Golf & Club Facility Design 3 hrs

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
- 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.)

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
  may be substituted with: ACG X001
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
  may be substituted with: ACG X011

Plan of Study
Junior Year - Fall 15 hrs
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

Junior Year - Spring 15 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3431 Hospitality industry Managerial Accounting 3 hrs
HFT 3933 Distinguished Lectures in Hospitality Management 1 hr
General Education Requirement VI 3 hrs
Sectoral Studies 3 hrs

Junior Year - Summer 7 hrs
HFT 4941 Internship II 1 hr
Sectoral Studies 3 hrs
Hospitality Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4944 Internship III 1 hr
Sectoral Studies 3 hrs
Hospitality Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Hospitality Restricted Electives 9 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

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, Interim 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. All applicants must have:
  - A minimum overall undergraduate GPA of 2.8
  - Completion of a Statewide Articulated AS in Nursing from a Florida College System institution which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida College System or State University System institution should follow section “B” - RN to BSN Program
  - Current RN License

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Catalog 2014-2015
431
Articulated A.S. Programs

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for 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 and should usually be completed in the first 60 hours
- 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: 32 hours

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida College System institution should complete those courses prior to their last 30 hours at UCF.

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 MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)
- Required SOW 3104 Assessing I: Human Development or 3 hrs
- Required DEP 2004C Developmental Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required CHM 1032 General Chemistry 3 hrs
- Required CHM 1033 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 CHM 1032 General Chemistry GEP
  2 HUN 3011 General Nutrition 3 hrs
  3 MCB 2004C Microbiology for Health Professionals 4 hrs
  4 PCB 3703C Histology 4 hrs
  5 ZOO Human Anatomy 4 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

Select 1: 3 hrs
- SOW 3104 Assessing I: Human Development or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology GEP 3 hrs

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
- None

4. Core Requirements: Advanced Level (54 hrs)

UCF Core
- UCF Core 27 hrs
- NUR 3065 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3065L Health Assessment Lab 2 hrs
- NUR 3065S Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4640L Practicum in Community and Public Health 4 hrs
- NUR 4682 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4683 Public Health Nursing 2 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Upper Division Credit 27 hrs
- May be met by validation and RN License 27 hrs
- NUR 3028 Essentials of Nursing Practice 3 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445L Nursing Care of Families 3 hrs
- NUR 3445S 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 4 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 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 enrollment in NUR 3634.

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.
- Maintain a College of Nursing GPA of 2.5 or above
- Maintain a UCF GPA of 2.5 or above
- Complete all courses in major with at least a “C” (2.0)

Progression Requirements:
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 3) complete foreign language admission requirement.

Other:
- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Selected Courses may be offered at regional campuses.
- Selected Courses may be offered at regional campuses.

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
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**
- 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 3634 Community Health Nursing 3 hrs

**Senior Year - Fall**
- NUR 4828 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 Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 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
COMMON COURSE NUMBERING SYSTEM

Classification of Courses
The University course numbering system is as follows:

0-0999. 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 senior.

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 advisor 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.

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. Individuals nominated to serve on these committees are selected to represent school districts, public postsecondary educational institutions, and nonpublic educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and 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 Exception to the General Rule for Equivalency.

For example, a freshman composition skills course is offered by 59 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills 1.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:
Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
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<td>Lower (Freshman)</td>
<td>Level at this institution</td>
<td>Freshman Composition</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills I</td>
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</table>

UNIVERSITY OF CENTRAL FLORIDA
Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excluded 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 (i.e., 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" that 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 Parkway, Orlando, FL 32816, 407-823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32301-0400. Special reports and technical information may be requested by calling the SCNS office at 850-245-0427 or at http://scns.fldoe.org.

ABE Agricultural and Biological Engineering
ABT Arabic Culture in Translation or Translation Skills
ABW Arabic Literature (Writings)
ACG Accounting: General
ACO Accounting: Occupational/Technical Variable Paced
ACR HVAC/Refrigeration/AC/Heating
ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEC Agricultural Education and Communication
AED Agricultural Education Development
AER Agricultural Mechanics
AFA African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGE Agricultural Engineering
AGG Agriculture - General
AGR Agronomy
AHM Amharic Language
AHT Amharic Culture in Translation or Translation Skills
AHW Amharic Literature (Writings)
AKA Akan Language
AKT Agriculture and 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
AVR 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
ATF Aviation Technology: Flight
ATR Athletic Training
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Avionics
AYM Aymara Language
BAN Commercial Banking (AIB Courses Only)
BCA Building Construction Apprenticeships
BCC Basic Clinical Clerkships (Required)
BCH Biochemistry (Biophysics)
BCN Building Construction
BCT Auditing and Construction Trades
BCV Building Construction: Vocational
BME Biomedical Engineering
BMS Basic Medical Sciences
BOT Botany
BRC Banking Related Courses (Not AIB or IFE)
BSC Biological Sciences
BTE Business Teacher Education
BUL Business Law
CAL Computer Applications
CAS Clinical Audiology and Speech Language Pathology (See SPA)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCD Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDJ Criminal Justice Development
CDK Criminal Justice Education
CEC Civil Geotechnical Engineering
CEN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CGH Chemical 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
CJU College Level Application in Criminal Justice
CJE Corrections
CJD Criminal Justice Development
CLE Criminal Law
CJI Juvenile Justice
CJL Criminal Justice Technologies
CLF Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Skills
CMC Corporate Media Communication
CMM Music, Media, and Theatre
CNT Computer Networks
COA Home Economics: Consumer Affairs
COE Cooperative Education
COM Communication
COP Computer Programming
COS Cosmology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies (Multinational)
CTP Cardiovascular System Technology—See CTV
CRM Creative Writing
CSR Cosmology - Specialized
CST Comparative Studies
CTE Home Economics: Clothing and Textiles
CTS Computer Technology and Skills
CTV Cardiovascular Technology
CWR Civil Water Resources
CYP Community Psychology
CZE Czech Language
CZT Czech Culture in Translation or Translation Skills
CWZ Czech Literature (Writings)
DAA Dance, Emphasis On Activity
DAD Dance Education
DAN Dance
DAS Dance Theory
DCP Digital Marketing and Communications
DEA Dental Assisting
DEG Dental Hygiene
DEM Demography
DEN Dentistry
DEP Developmental Psychology
DHA Dental Support
DIE Dietetics
DIG Digital Media
DIM Diesel, Hybrid, and Alternative Fuel Technology
DIS Domestic Security
DLE Dental Laboratory Technology
DUT Dutch Language
EAB Experimental Analysis Of Behavior
EAP English As A Second Language
EAS Aerospace Engineering
EBD Education: Emotional/Behavioral Disorders
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
ECP Economic Problems & Policy
ECF Economic Systems & Development
ECT Education: Career/Technical
ECW Education: Career/Workforce
EDAD Educational Administration
EDE Education: Elementary
EDF Education: Foundations and Policy Studies
EDG Education: General
Common Course Numbering System

EDH Education: Higher
EDM Education: Middle School
EDP Educational Psychology
EDS Education Supervision
EEC Education: Early Childhood
EED Education: Emotional Disorders - See EBD
EEE Engineering: Electrical and Electronic
EEL Engineering: Electrical
EER Electrical/Electronics Repair
EES Environmental Engineering Science
EET Electronic Engineering Technology
EEV Electrical/Electronic: Vocational
EEX Education: Exceptional Child - Core Competencies
EGC Counselor Education
EGI Education: Gifted
EGM Engineering Science
EGN Engineering: General
EGS Engineering Support
EHD Education: Hard Of Hearing & Deaf
EIA Education: Industrial Arts
EIN Industrial Engineering
EIU Education: Industrial/Vocational
ELD Education: Specific Learning Disabilities
ELR Prefix Discontinued. All Courses Reassigned
EMA Materials Engineering
EMC Engineering: Mechanical & Chemical
EME Education: Technology and Media
ENL Engineering: Mechanical
ERM Education: Mental Retardation
EMS Emergency Medical Services
ENC English Composition
ENG English - General
ENG Gifted
ENS English For Non-Native Speakers
(Erasmus Student) Disc. - See EAP
ENT Entrepreneurship
ENU Engineering: Nuclear
ENV Engineering: Environmental
ENY Entomology
EOC Ocean Engineering
EDP Education: Physical & Multiple Disabilities
EPH Education: Physical & Multiple Handicapped - See EPO
EPI Educator Preparation Institutes
ESC Earth Science
ESE Education: Secondary
ESI Industrial/Systems Engineering
ESL College-Prep English For Non-Native Speakers
(Non-Transferable) - See TSL
EST Electronic Specialty Technology
(Electronics Technology) (To Be Disc. 8/1/2012)
ETC Engineering Technology: Civil
ETD Engineering Technology: Drafting
ETE Education: Technology Education
ETG Engineering Technology: General
ETI Engineering Technology: Industrial
ETM Engineering Technology: Mechanical
ETN Electroneurodiagnostics
ETP Engineering Technology: Power
ETS Engineering Technology: Specialty
EWH European History
EUU European Studies
EVI Education: Visually Impaired-Blind
EVR Environmental Studies
EVS Environmental Science
EVT Education: Vocational/Technical
EXP Experimental Psychology
FAD Home Economics: Family Development
FAM Fashion Modeling
FAS Fishery & Aquacultural Science
FES Fire Emergency Services
FFP Fire Fighting & Protection
FIL Film
FIN Finance
FLE Foreign Language Education
FNR Forestry & Natural Resources
FOL Foreign Languages
FOR Forestry
FOS Food Science

FOT Foreign Languages (In Translation)
FOW Foreign Languages, Comparative Literature (Writings)
FRC Fruit Crops
FRE French Language
FRT French Culture in Translation
FSC Funerary Services
FSS Food Service Systems
FYC Family, Youth and Community
GCO Golf Course Operations
GEA Geography: Regional Areas
GBE General Business
GEO Geography: Systematic
GER German
GET German Culture in Translation or Translation Skills
GEW German Education (Writings)
GEY Geology
GFD Geophysical Fluid Dynamics
GIS Geography: Information Science
GLS Graduate Liberal Studies
GLY Geology
GMS Graduate Medical Sciences
GMT Modern Greek Culture in Translation or Translation Skills
GMW Modern Greek Literature (Writings)
GRA Graphic Arts
GRE Classical Greek (Language Study)
GRG Graphic Arts - Graduate-Level
GRK Modern Greek Language
GRW Classical Greek Literature (Writings)
HAI Haitian Creole Language
HAT Haitian Culture in Translation or Translation Skills
HBR Modern Hebrew Language
HBT Modern Hebrew Culture in Translation or Translation Skills
HCA Health Care Management
HCW Haitian Creole Literature (Writings)
HEB Ancient Hebrew (Disc. - See HBR)
HED Health Education
HEE Home Economics Education
HEV Home Economics - Vocational
HFT Hospitality Management
HHD Housing & Design Management
HIM Health Information Management
HIN Hindi Language
HIS General History and Historiography
HIT Hindi Culture in Translation or Translation Skills
HIV Hindi Literature
HLF Health/Leisure/Physical Education
HME Home Economics: Home Management and Equipment
HMG Hospitality Management Graduate
HMV Hospitality Management, Vocational
HMW Modern Hebrew Literature (Writings)
HNG Hungarian Language
HNT Hungarian Culture in Translation or Translation Skills
HNN Hungarian Literature (Writings)
HOE Home Economics - General
HOS Horticultural Sciences
HPS History and Philosophy of Science
HRD Human Resources Development
(Non-Transferable) - See TSL
HSA Health Services Administration
HSC Health Sciences
HUM Humanities
HUN Human Nutrition
HUS Human Services
ICM International Construction Management
ICW Icelandic Literature
IDC Interdisciplinary Computing
IDD Industrial Design
IDH Interdisciplinary Honors
IDN Indonesian Language
IDS Interdisciplinary Studies
IDT Indonesian Culture in Translation or Translation Skills
IDW Indonesian Literature (Writings)
IEA Industrial Education Applied (Disc.)
IFS Interdisciplinary Florida State University Courses
IHS Interdisciplinary Health Sciences
IND Interior Design
INP Industrial and Applied Psychology
INR International Relations
INS International Studies
INT Sign Language Interpreting
IPM Integrated Pest Management
ISC Interdisciplinary Sciences
ISM Information Systems Management
ISS Interdisciplinary Social Sciences
ITAL Italian Language
ITT Italian Culture in Translation or Translation Skills
IW Italian Literature (Writings)
IUU Interdisciplinary University of Florida Courses
JOU Journalism
JPN Japanese
JPT Japanese Culture in Translation or Translation Skills
JPW Japanese Literature (Writings)
JST Jewish/Judaic Studies
KOR Korean Language
KOT Korean Culture in Translation or Translation Skills
KOW Korean Literature (Writings)
LAA Landscape Architecture
LAE Language Arts and English Education
LAL Latin American History
LAS Latin American Studies
LAT Latin (Language Study)
LAW Law
LAB Labor Studies
LDE Landscape Design
LDR Leadership Studies
LEI Leisure
LGL Lingala Language
LGT Lingual Culture in Translation or Translation Skills
LGW Lingual Literature (Writings)
LIN Linguistics
LIS Library and Information Studies
LIT Literature
LNW Latin Literature (Writings)
MAA Mathematics - Analysis
MAC Mathematics - Calculus and Precalculus
MAD Mathematics - Discrete
MAE Mathematics Education
MAG Mechanized Agriculture
(Monogamous Culture) - See AOM
MAN Management
MAP Mathematics Applied
MAR Marketing
MAS Mathematics - Algebraic Structures
MAT Mathematics
MBI Microbiology
MCC Special Topics in Mass Communication
MDC Medicine Clinical Clerkships
MDE Medical Electives
MDI Medical Internships
MDR Medical Research
MDS Medical Specialties
MDT Special Topics, Elected Topics
MDU Undergraduate Medicine Courses
MDW Midwifery
MDX Medical Externships
MEA Medical Assistance Technology
MEL Medical Science Electives
MEM Medieval and Early Modern Studies
MET Meteorology
MGF Mathematics - General and Finite
MHF Mathematics - History and Foundations
MHS Mental Health Services
MIS Military Science
MKA Marketing Applications
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<th>Program</th>
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<td>Medical Laboratory Technology</td>
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<td>Mass Media Communication</td>
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<td>Management: Applied</td>
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<td>Molecular Biophysics</td>
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<td>MOM</td>
<td>Motorcycle Mechanics</td>
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<td>Mass Spectroscopy</td>
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<td>Speech Education</td>
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<td>SFS</td>
<td>Small Engine Mechanics</td>
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<tr>
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<tr>
<td>SLA</td>
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<tr>
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<tr>
<td>SMT</td>
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<tr>
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<tr>
<td>SSS</td>
<td>Sanskrit Culture in Translation or Skills</td>
</tr>
<tr>
<td>STA</td>
<td>Social Studies and General Resources</td>
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<td>SYP</td>
<td>Social Processes</td>
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<td>SAB</td>
<td>Social Work</td>
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<td>SFT</td>
<td>Speech and Theater</td>
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<td>SPA</td>
<td>Speech Pathology and Audiology</td>
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<td>SPR</td>
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<td>SRR</td>
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<td>Sanskrit Culture in Translation</td>
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<td>SSW</td>
<td>Sanskrit Culture in Translation or Skills</td>
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<td>Sub-Saharan African Languages</td>
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<td>SST</td>
<td>Sub-Saharan African Culture in Translation</td>
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<tr>
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<td>Savings and Loan (IFE Courses Only)</td>
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<td>Swahili Language</td>
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<td>SWS</td>
<td>Soil and Water Sciences</td>
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<td>SWT</td>
<td>Swahili Culture in Translation or Skills</td>
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<td>SWW</td>
<td>Swahili Literature (Writings)</td>
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<td>SYE</td>
<td>Studies/Sociological Minorities</td>
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<td>SYO</td>
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<td>TPF</td>
<td>Theatre Performance and Performance Training</td>
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<td>TRA</td>
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<td>Turkish Literature (Writings)</td>
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<td>VAR</td>
<td>Variable-Paced Architecture</td>
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<td>Vegetable Crops</td>
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<td>Veterinary Medicine Graduate</td>
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<td>VTV</td>
<td>Vietnamese Literature (Writings)</td>
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<td>WHO</td>
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<td>Wolof Language</td>
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<td>WOT</td>
<td>Wolof Culture in Translation or Skills</td>
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<td>WOW</td>
<td>Wolof Literature (Writings)</td>
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<td>WST</td>
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<td>XHO</td>
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<td>XHT</td>
<td>Xhosa Culture in Translation or Skills</td>
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<td>XHW</td>
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<td>YOR</td>
<td>Yoruba Language</td>
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<tr>
<td>YOT</td>
<td>Yoruba Culture in Translation or Skills</td>
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</tbody>
</table>
Common Course Numbering System

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>Graduate</th>
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<tbody>
<tr>
<td>Directed Independent Studies</td>
<td>1906, 2905, 3905</td>
<td>4906</td>
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<tr>
<td>Directed Independent Research</td>
<td>4912</td>
<td>5917</td>
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<tr>
<td>Special Undergraduate Research</td>
<td>IDS 3913, 4914</td>
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<tr>
<td>Special Topics/Seminars</td>
<td>1931, 2930, 3930, 4932,</td>
<td>5937</td>
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<tr>
<td>Internship, Practicums, Clinical Pract</td>
<td>3940, 4941</td>
<td>5944</td>
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<tr>
<td>Cooperative Education</td>
<td>1949, 2949, 3949, 4949</td>
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<tr>
<td>Honors Undergraduate Thesis</td>
<td>3970H, 4970H</td>
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<tr>
<td>Honors Directed Reading</td>
<td>4903H</td>
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<tr>
<td>Honors Directed Reading</td>
<td>4904H</td>
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<tr>
<td>Study Abroad</td>
<td>4955</td>
<td>5957</td>
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</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 = Medicine, 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>
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<tbody>
<tr>
<td>BA</td>
<td>Accounting</td>
<td>ACCT</td>
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<td>BA</td>
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<td>BA</td>
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<td>Economics</td>
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<td>Finance</td>
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<td>BA</td>
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<td>BHC</td>
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<td>Arts &amp; Humanities</td>
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<td>Fla Interactive Entertainment Academy</td>
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<td>Judaic Studies</td>
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<td>SVAD</td>
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<td>Writing &amp; Rhetoric</td>
<td>WRITE</td>
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<td>COS</td>
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<td>COS</td>
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<td>Engineering</td>
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<td>COM SC&amp;DIS</td>
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<td>HPA</td>
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<td>RCHM</td>
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<td>RCHM</td>
<td>Tourism, Events &amp; Attractions</td>
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<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
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ACG 2021 BA-ACCT 3(3,0) Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a “C” (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity. Accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H BA-ACCT 3(3,0) Honors Principles of Financial Accounting: PR: MAC 1105C with a “C” (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

ACG 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: ACG 2021 and MAC 1105C, each with a “C” (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0) Intermediate Financial Accounting I: PR: Junior standing, Accounting major or minor, and ACG 2021 and ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

ACG 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, ACG 3131 with a grade of “C” (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071 with a grade of “C” (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0) Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0) International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a “C” (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284 BA-ACCT 3(3,0) Financial Reporting for Consolidated Entities: PR: ACG 3141 with a “C” (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and CIS 2100C, each with a grade of “C” (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.
ANG 5100 COS-ANTHRO 3(3,0)  
Archaeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0)  
Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Used in archeology, anthropology, and history. Occasional.

ANG 5167 COS-ANTHRO 3(3,0)  
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(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.

ANG 5228 COS-ANTHRO 3(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. Offered Spring.

ANG 5272 COS-ANTHRO 3(3,0)  
Culture, Power and Development: PR: Admission to Anthropology M.A. program, Maya Studies graduate certificate, or C.I. Ongoing and contemporary ramifications of underdevelopment and empowerment in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0)  
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)  
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessments of reliability, and approaches for small samples. Even Fall.

ANG 5531 COS-ANTHRO 3(3,0)  
Nutritional Anthropology: PR: One course in Social Sciences (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate status or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(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 cross cultural issues that affect cultural competency. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)  
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANG 5742 COS-ANTHRO 3(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.

ANG 5822 COS-ANTHRO 3(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.
of modern anthropology.

ANT 3319 COS-ANTHRO 3(3,0)

ANT 3330 COS-ANTHRO 3(3,0)
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.

ANT 3362 COS-ANTHRO 3(3,0)

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Calusa tribes in Florida, examining various issues through oral tales and legends, treaty, archival sources. Occasional.

ANT 3398 COS-ANTHRO 3(3,0)

ANT 3541 COS-ANTHRO 3(3,0)
Biocultural 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 COS-ANTHRO 3(2,1)
Primateology: PR: One of the following; ANT 2511, BSC 2107C, or C.I. Study of species from the Order Primates, including their morphology, ecology, behavior, and geographic distribution. Occasional.

ANT 3610 COS-ANTHRO 3(3,0)
Language and Culture: PR: Sophomore standing. The study of language in a non-western setting; language and behavior; language and discrimination. Fall, Spring.

ANT 3701 COS-ANTHRO 3(3,0)
Applied Anthropology: PR: ANT 2000 or ANT 2410 or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Even Fall.

ANT 3943 COS-ANTHRO 3(3,0)
Caribbean Archaeology Practicum: PR: Previous fieldwork is preferred, and C.I. Field archaeology by participating in field schools at prehistoric Lucayan sites on Exuma and/or Inagua Islands. May be used in the degree program a maximum of 2 times. Occasional.

ANT 4013 COS-ANTHRO 3(3,0)

ANT 4027 COS-ANTHRO 3(3,0)
Mummies, Life After Death: PR: Either ANT 2000 or ANT 2511, or C.I. Cultural practices and beliefs surrounding death; the concerns cultures and humans have had throughout the ages about the body’s decay after life, and the attempts to preserve bodies and preserve bodies in a state as near to life as possible. Occasional.

ANT 4034 COS-ANTHRO 3(3,0)
History of Anthropological Thought: PR: ANT 2410 or C.I. The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

ANT 4153 COS-ANTHRO 3(3,0)
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 4180C COS-ANTHRO 3(1,4)
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 COS-ANTHRO 3(3,0)
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 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2140, or ANT 2511 or C.I. Archaeological interpretations of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Odd Spring.

ANT 4266 COS-ANTHRO 3(3,0)

ANT 4303 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: ANT 2000, or SYG 2000, or PSY 2132 or C.I. Social theory of tourism; anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANT 4332 COS-ANTHRO 3(3,0)
People and Cultures of Latin America: PR: One of the following: ANT 2000, SYG 2000, PSY 2132, 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 COS-ANTHRO 3(3,0)

ANT 4352 COS-ANTHRO 3(3,0)
African Societies and Cultures: PR: ANT 2000 or SYG 2000 or C.I. Anthropological survey of Africa examining the social, cultural, and economic diversity of the continent over time. Even Fall.

ANT 4408 COS-ANTHRO 3(3,0)
Culture, Disease, and Healing: PR: One of the following; ANT 2000, ANT 2410, ANT 2511, or C.I. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. Spring.

ANT 4462 COS-ANTHRO 3(3,0)
Medical Anthropology: PR: ANT 2000 or ANT 2511 or C.I. The field of medical anthropology. Topics will include theories, methods, and applications. Fall.

ANT 4467 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: One 2000 level course in social sciences and one 2000 level course in biological sciences 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 4480 COS-ANTHRO 3(3,0)

ANT 4516 COS-ANTHRO 3(3,0)
Human Biological Diversity: PR: ANT 2511 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 3(3,0)
Human Osteology: 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 4560 COS-ANTHRO 3(3,0)

ANT 4586C COS-ANTHRO 3(2,1)
Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from Micronesian hominoids and the earliest members of the genus Homo. Fall, Spring.

ANT 4702 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2132 or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Occasional.

ANT 4802 COS-ANTHRO 3(3,0)

ANT 4824 COS-ANTHRO 3(9,0)
Advanced Archaeological Fieldwork: PR: ANT 2500 or C.I. Field work experience only to students with permission of instructor. Supervised archaeological fieldwork. Spring.

APK 3132 ED-EH&S 3(3,0)
Triathlon Training and Performance: PR: PEM 2140 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

APK 3400 COS-PSYCH 3(3,0)
Sports Psychology: PR: PSY 2000 or C.I. Psychological principles of psychology related to the enhancement of satisfaction and performance in sports. Occasional.

APK 4110C ED-EH&S 3(2,1)
Exercise Physiology: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2104 or equivalent, ZOO 3733C 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: Permission of Professor. 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 II: PR: Permission of Professor. 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 III: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1121C CAH-LANG 4(4,1)
Honors Elementary Arabic Language and Civilization II: PR: Permission of Professors. Continuation of ARA 1120C. Honors level content. Occasional.

ARA 2200 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 culture. 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 Digital 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 withstanding 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 1650, 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 4323L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4232L 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 4232L CAH-SVAD 6(0,9) Architectural Design 8: PR: 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 4323L. PR: ARC 3610 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 3935 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 experience. 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. 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 Secondary School: PR: EDG 4410 and EDF 4407. Transition from university art studio practices to public teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the secondary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L 3(2,1) Teaching Art in the Secondary School: PR: EDG 4410 and EDF 4410. 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 2500 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

ARE 4453 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Admission into the College of Education, Art Education Program required or C.I. Materials available for instruction in public schools will be explored in depth in relation to the appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. Spring. M&S fee $5.00


ARE 5255 ED-TL&L 3(2,1) Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(4,0) Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 3(3,0) Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0) Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-SVAD 3(3,0) History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Fall.

ARH 2050H CAH-SVAD 3(3,0) Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0) History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Spring.

ARH 2051H CAH-SVAD 3(3,0) Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0) History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.


ARH 3610 CAH-SVAD 3(3,0) American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.


ARH 3670 CAH-SVAD 3(3,0) 20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 3(3,0) Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980’s. Occasional.

ARH 3674 CAH-SVAD 3(3,0) Latin American Popular Visual Culture: PR: ANT 3332 or C.I. Latin American popular culture beyond “fine art,” produced in Latin America, the United States, and the Caribbean. Odd Spring.

ARH 3683 CAH-SVAD 3(3,0) Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.

ARH 3710 CAH-SVAD 3(3,0) History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.
ASH 4304 CAH-HIST 3(3,0)

ASH 4324 CAH-HIST 3(3,0)
History & Culture of South Asia: PR: WOH 2022 or C.I. History and culture of South Asia from prehistory to decline of the British Raj. Occasional.

ASH 4383 CAH-HIST 3(3,0)
Imperialism & Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. Occasional.

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)
Modern China: PR: EUH 2000 and EUH 2001 or C.I. Political, social, economic, and cultural transformations undergone by China from about the 17th century to the present. Occasional.

ASH 4442 CAH-HIST 3(3,0)
Modern Japan: PR: EUH 2000 and EUH 2001 or C.I. History of Japan from the end of the Tokugawa period to the present day. Occasional.

ASH 4550 CAH-HIST 3(3,0)
History of Modern India: PR: WOH 2022 or C.I. History of India from decline of Mughals in late 18th century to present. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5229 CAH-HIST 3(3,0)
History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0)
U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5925 CAH-HIST 3(3,0)
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.

ASL 2140 HPA-COM SC&DIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf culture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS 4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.

ASL 2510 HPA-COM SC&DIS 3(3,0)
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.

ASL 3444 HPA-COM SC&DIS 3(3,0)

ASH 4161C HPA-COM SC&DIS 4(2,1)

ASH 4201 HPA-COM SC&DIS 4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing production of non-voiced, conversational, spontaneous signed sentences, "reading" signed phrases and sentences. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105C. Descriptive survey of solar system, galaxies and universe; physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)

AST 2002L COS-PHYS 3(1,2)

AST 2037 COS-PHYS 3(3,0)
Life in the Universe: A thought provoking journey through solar system environments and extrasolar planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 3110 COS-PHYS 3(3,0)

AST 3211 COS-PHYS 3(3,0)

AST 3402 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002 and PHY 2053C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3722C COS-PHYS 3(3,0)

AST 4142 COS-PHYS 3(3,0)

AST 4152 COS-PHYS 3(3,0)

AST 4700 COS-PHYS 3(3,0)

AST 4762C COS-PHYS 3(3,1)
Astronomical Data Analysis: PR: MAC 2313, or other course in computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5145 COS-PHYS 3(3,0)
Advanced Asteroids, Comets, and Meteorites: PR: Graduate standing or C.I. An advanced study of the physical and chemical characteristics of Asteroids, Comets and Meteorites, 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 MS or PhD or C.I. The physics of planetary interiors, atmospheres, 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. Advanced design and experimental techniques in astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS 3(3,0)
Extraterrestrial Planets and Brown Dwarfs: PR: Astrophysics I, Physics I or II, or C.I. Study of substellar-mass objects, their formation, evolution, dynamics, detection, and environments. Odd Spring.

AST 5765C COS-PHYS 3(3,1)
Advanced Astronomical Data Analysis: PR: MAC 2313, a 3000-level or higher course in astronomy or planetary science, ability to write simple computer programs, 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 Fall.

ATR 2010C ED-EHIS 3(2,1)

ATR 3012C HPA-HP 3(1,2)
Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/trunk muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and critical evaluation 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 lower extremity/trunk muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $31.00

ATR 3102D HPA-HP 3(3,0)

ATR 3203C HPA-HP 3(2,1)

ATR 3204C HPA-HP 3(2,1)
Lower Extremity Function and Measurement: PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, muscle testing and goniometry. Fall.
UCF Courses and Descriptions

ATR 3102C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity and spine and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1)
Injury, Management, and Rehabilitation: PR: ZOC 3136C or ZOC 3736C, CONHA Students only or C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

ATR 3812L HPA-HP 4(0,16)
Practicum in Athletic Training I: PR: ATR 3102. 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 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2)

ATR 4103 HPA-HP 3(3,0)

ATR 4112L HPA-HP 1(0,1)
Acute Care in Athletic Training: CR: ATR 4842 or 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-EAHS 3(3,0)
Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Exercise Science program or Coaching Minor, ZOC 3736C 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 3102. Recognition and reporting of common injuries associated with sport and fitness. Fall.

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and reporting of common injuries associated with sport and fitness. Fall.

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and reporting of common injuries associated with sport and fitness. Fall.

ATR 4213C HPA-HP 3(2,2)
Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and reporting of common injuries associated with sport and fitness. Fall.

ATR 4482L 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 4482L 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 4832L HPA-HP 3(0,16)
Advanced Clinical Internship: PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

BOT 4034C 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, RSC 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 water stress. Occasional.

BOT 4713C COS-BIOL 5(3,6)

BOT 4850 COS-BIOL 3(3,0)
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)
Basic 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 1050 COS-BIOL 3(3,0)
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 2010C COS-BIOL 4(3,2)
Honors General Biology: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee $24.00.

BSC 2011C COS-BIOL 4(3,3)
Honors General Biology II: PR: A "C" (2.0) or better in BSC 2010C or C.I. Preference 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 2052 COS-BIOL 3(3,0)
Conservation Biology: PR: or CR: A minimum grade of "C" (2.0) in PCB 3044 or C.I. 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 2011C. Provides students with a foundation in the field of marine biology using a global perspective. Even Fall.

BSC 3402C COM-BSBS 4(1,3)
Integrative Biology: PR: BSC 2010C and BSC 2011C each with a "C" (2.0) or better, and C.I. A field-based course drawing information on natural history of various organisms in Florida, with special emphasis on scientific methods. Occasional.

BSC 3404C COM-BSBS 4(3,4)
Biologists 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, MAC 2312, and PCB 3044. A laboratory course that presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3424 COM-BSBS 3(3,0)

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 SU. May be used in the degree program a maximum of 2 times. Occasional.

BSC 3949 COS-BIOL 0(0,8)

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 marine biology, emphasizing biodiversity and marine conservation through research, service-learning, and field experiences. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL 3(0,3)
Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of invasion of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L 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 SU. 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 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 from genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3)
SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3363, 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 SU. 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, 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 students or C.I. Examines human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0)
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. M&S fee $15.00

BSC 5418 COM-BSBS 3(0,3)
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 COS-BIOL 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.

BSC 5618 COS-BIOL 3(3,0)
Phylogenetic Approaches in Biological Research: PR: Admission to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic information to address important questions in biology. Even Fall.

BSC 5824 COS-BIOL 4(4,0)
Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee $15.00

BTE 4410 ED-FCFS 3(3,0)
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of course design, project management, and evaluation. An examination of instructional design, text development, and the use of instructional materials. Even Fall. Spring.

BUL 3130 BA-ACCT 3(3,0)
Legal and Ethical Environment of Business: PR: Completion of a course in the Business common program prerequisites with a "C" (2.0) or better Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 3(3,0)
Honors Legal & Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0)
Employment Law: PR: Management major or minor, MAN 3025 and MAN 3301. An examination of current employment law and issues/trends in the local & national environment impacting human resource management system design, HRM policy and employee relations. Fall.

BUL 5332 BA-ACCT 3(3,0)
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation, BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-ECE 3(3,0)
Game Design: PR: COP 3503C with a grade of "C" (2.0) or better. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-ECE 3(3,0)
Human and Technology Interaction: PR: COP 3330 and COP 3503C each with a grade of "C" (2.0) or better. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Fall.

CAP 4453 ECS-ECE 3(3,0)
Robot Vision: PR: COP 3503C and MAC 2312 each with a grade of "C" (2.0) or better. PR: Perspective and orthographic projections; the imaging of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

CAP 4630 ECS-ECE 3(3,0)
Artificial Intelligence: PR: COP 3503C with a grade of "C" (2.0) or better and COP 3502C with a grade of "C" (2.0) or better. Surveys cutting-edge AI knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

CAP 4720 ECS-ECE 3(3,0)
Computer Graphics: PR: COP 3503C and MAC 2312K with a grade of "C" (2.0) or better, and and COT 3960. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics APIs. Occasional.

CAP 5015 ECS-CS 3(3,0)
Multimedia Compression on the Internet: PR: Seniors and graduate students interested in internet technology. Multimedia data; internet technology; entropy; compression methods; lossy compression; vector quantization; transform coding; wavelet video compression; model based compression. Occasional.

CAP 5055 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0)
Web Application Development Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0)
Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3960. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.
UCF Courses and Descriptions

CAP 5512 ECS-CS  3(3,0)
Evolutionary Computation: PR: CAP 4630 or COP 3593C or C.I. This course covers the field of evolutionary computation and focuses on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-CS  3(3,0)

CAP 5636 ECS-CS  3(3,0)

CAP 5725 ECS-CS  3(3,0)
Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.

CCE 4003 ECE-CECE  3(3,0)
Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction contracts, estimating and scheduling, ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE  3(3,0)
Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Construction methods for civil and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECG-CECE  3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECG-CECE  3(3,0)
Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECG-CECE  3(2,2)
Construction Design Project: PR: CCE 4034, CCE 4813, or grade of "C" (2.0) or better and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction engineering systems, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 ECG-CECE  4(4.0)
Mechanical and Electrical Systems for Buildings: PR: CCE 4003, PHY 2040C, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECG-CECE  3(3,0)
Infrastructure Systems Management: PR: CCE 4004 and CCE 4034, or C.I. Essential elements of infrastructure systems and cover concepts, methods, and technologies essential for infrastructure life cycle engineering and management. Fall, Spring.

CCE 5205 ECG-CECE  3(3,0)
Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. Fall, Spring.

CCE 5220 ECG-CECE  3(3,0)
Green Design and Construction: PR: CCE 4004. Introduction of sustainability concepts as they relate to construction and delivery. Topics include Leadership in Energy and Environmental Design (LEED) categories, economic analyses, and integrated project management. Odd Spring.
Contemporary Criminal Justice Strategies: PR: Graduate standing or C.I. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 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 only when course content is different. Occasional.

CDA 3103 Computer Logic and Organization: PR: COP 3223 with a grade of “C” (2.0) or better. CR: COT 3100C or MHF 3322 or MAD 2104. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 5106 Advanced Computer Architecture: PR: EEL 4768C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 Parallel Architecture and Algorithms: PR: COT 4210, CDA 5108. General-purpose vs. special-purpose parallel computers; arrays, message-passing; shared-memory; taxonomy; parallelization techniques; communication, synchronization, and granularity; parallel algorithms; program development and data structures; automatic program restructuring. Occasional.

CEG 4011C Geotechnical Engineering I: PR: EGR 3331, CWR 3201 both with a grade of “C” (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, shear strength, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring. M&E fee $21.00

CEG 4012 Geotechnical Engineering II: PR: CEG 4011C with a grade of “C” (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. Fall, Spring.

CEG 4801C Geotechnical Engineering Design: PR: CEG 4011C with a grade of “C” (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&E fee $14.00

CEG 5405 Seepage in Soils: PR: CEG 4011C. Principles of flow through soils; flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CEG 5700 Geo-Environmental Engineering: PR: CEG 4011C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 3024 Software Development I: PR: COP 3330 or C.I. Software development concepts are introduced in the context of hands-on project implementation. SDLC, version control, design with UML, documentation, testing, 2&3-tier architecture. Spring.

CEN 4025 Software Development II: PR: CEN 3024 or C.I. A continuation of Software Development I with larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.

CET 4748 Wide Area Networks I: PR: CET 4483 or C.1. Designing Wide Area Networks; determining requirements, designing the network structure, choosing appropriate technologies, and evaluating results. Fall.


CGN 3501C Computer Engineering: MAE: A grade of "C" (2.0) or better. "C" (2.0) or better in CHI 3331 and in CH 1400 or CHM 2045C or CHM 2041. The characterization of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Occasional. M&S fee $30.00.

CGN 3700C Civil Engineering Measurements: PR: A grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, human error, surveying, micrometers, etc. The student will learn to design civil engineering projects. Fall, Spring.

CGN 4808C Asphalt Concrete Mix Design: PR: CET 3000C. An introduction to asphalt concrete mix design through design examples. The course will be taught in a laboratory format. Fall, Spring.

CGS 1060C Introduction to Computers: Digital literacy, computer hardware, peripheral components, memory devices, effects of computers on society, application of computers. Not open to Computer Science majors. Fall, Spring.


CGS 2545C Database Concepts: PR: COP 2505 or high level programming course (C, Java, C++, +) with a grade of "C" (2.0) or better. Designing database management systems, normal forms, performance or databases, report generation. Fall, Spring.

CGS 2585C Desktop/Internet Publishing: PR: COP 2505 or high level programming course (C, Java, C++, +) with a grade of "C" (2.0) or better. Principles and techniques of page layout and formatting for documents and newsletters, presentation techniques, construction of web pages and design of integrated websites. Occasional.

CGS 3175 Internet Applications: PR: COP 2505 or high level programming course (C, Java, C++, +) with a grade of "C" (2.0) or better. HTML coding, using images, sound and animation, advanced text formatting, forms and CGS scripts, introduction to javascript. Fall, Spring.

CGS 3269 Computer Architecture Concepts: PR: COP 2505 or high level programming course (C, Java, C++, +) with a grade of "C" (2.0) or better. CPU organization, current computer architectures, network file servers. Fall, Spring.

CGS 3763 Operating System Concepts: PR: COP 2505C or high level programming course (C, Java, C++, +) with a grade of "C" (2.0) or better. Concepts of processes, CPU scheduling, security issues, client server paradigms, and computer supported workflows. Occasional.


CHI 1120C Elementary Chinese Language and Civilization: PR: A "C" (2.0) or better in a previous CECE design course and department consent. Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall, Spring.

CHI 1120H Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to the Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Occasional.

CHI 1121C Elementary Chinese Language and Civilization II: PR: Chinese 1120C or equivalent. Continuation of CHI 1120C. Spring.


CHI 2200 Intermediate Chinese I: PR: Chinese 1112C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall, Spring.

CHI 2201 Intermediate Chinese II: PR: Chinese 2200. Continuation of CHI 2200 with emphasis on Chinese cultures. Fall, Spring.

CHM 1020 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 General Chemistry: PR: MAC 1105C or MGFR 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 1032L General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. Fall, Spring.

CHM 2040 COS-CHEM Chemistry Fundamentals IA: PR: A minimum score of 550 (SAT) or 24 (ACT) in the mathematics section. MAC 1105C recommended. 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 measurements, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochromy. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $6.00.

CHM 2041 COS-CHEM Chemistry Fundamentals IB: PR: CHM 2040 or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. The second semester of CHM 2040. Atomic structure, periodicity, chemical bonding, states of matter. Continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Not open to students whose major requires this course. Same as CHM 2045C with honors-level content. Fall, Spring. M&S fee $9.00.

CHM 2045C COS-CHEM 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 204IC. Priority will be given to students whose major requires this course. Principles of modern chemistry, units and measurements, basic physical theory of chemical reactivity, stoichiometry, reactions in aqueous solutions, thermochromy, atomic structure, periodicity, chemical bonding, states of matter, gases. The "NC" grading policy applies to this course. Fall, Spring. M&S fee $9.00.

CHM 2046 COS-CHEM 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. A continuation of CHM 2045C or the CHM 2040 & CHM 2041 sequence. Not open to students whose major requires this course. Fall, Spring. M&S fee $45.00.

CHM 2046L Chem 2046L Chemistry Fundamentals Laboratory: PR: CR: CHM 2046. Priority will be given to students whose major requires this course. 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 Introduction to Organic and Biochemistry: PR: CHM 1032 or equivalent. An introduction to organic chemistry, stressing the chemistry of functional groups and a survey of the biochemistry of proteins, carbohydrates, lipids, and nucleic acids. Spring.

CHM 2210 COS-CHEM Organic Chemistry I: PR: A grade of "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 Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.
Discussion of descriptive inorganic chemistry based on analysis and their application to synthetic chemistry. Organic reaction mechanisms and retrosynthetic analysis of experimental results will be also exercised. Statistical data treatment of experimental results will be also exercised. Spectroscopic and chromatographic methods of analysis will be studied. Development of practical skills performing experiments based on advanced analytical chemistry laboratory. Pr: CHM 2211 or C.I. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee $45.00

**CHM 2046L, COS-CHEM 2(0,6)**

**Advanced Analytical Chemistry Laboratory:** Pr: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

**CHM 3215L, COS-CHEM 2(0,6)**

**Organic Laboratory Techniques II:** Pr: CHM 3120 and CHM 2211. Open-end laboratory to develop synthesis techniques and structure elucidation skills. 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.

**CHM 4310, COS-CHEM 4(1,1)**

**Physical Chemistry II:** Pr: CHM 2046, PHY 2049C, and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

**CHM 4310L, COS-CHEM 4(0,4)**

**Physical Chemistry Laboratory II:** Pr: CHM 3120 and CR: CHM 3411. Classical as well as modern instrumental techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee $70.00

**CHM 4222, COS-CHEM 3(3,0)**

**Applied Physical Chemistry:** Pr: PHY 2049C and MAC 2312. Physical chemistry as applied to the study of biological and forensic science. Fall.

**CHM 4130, COS-CHEM 3(3,0)**

**Advanced Analytical Laboratory Technique:** Pr: CR:CHM 3411 or CR:CHM 3422. Modern methods of analysis including spectrophotometry and spectrometry, and separation techniques. Spring.

**CHM 4130L, COS-CHEM 2(0,6)**

**Advanced Analytical Chemistry Laboratory:** Pr: or CR: CHM 4130. Experimental exercise of instrumental methods of analysis. Successful students will develop practical skills performing experiments based on spectrophotometry and spectrometric methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

**CHM 4220, COS-CHEM 3(3,0)**

**Organic Chemistry III:** Pr: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even. Fall.

**CHM 4610L, COS-CHEM 2(0,6)**

**Inorganic Chemistry Laboratory:** Pr: CHM 4610. A study of physical and chemical properties and synthetic techniques in inorganic chemistry. Fall. M&S fee $70.00

**CHM 4914C, COS-CHEM 1(1,1)**

**Undergraduate Research Methods:** Pr: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

**CHM 4920, COS-CHEM 1(1,0)**

**Chemistry Seminar II:** Pr: CHM 4920. Student selects a topic and an advisor and prepares a draft seminar. Fall, Spring.

**CHM 4931, COS-CHEM 1(1,0)**

**Chemistry Seminar II:** Pr: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry department. Fall, Spring.

**CHM 5225, COS-CHEM 3(3,0)**

**Advanced Organic Chemistry:** Pr: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

**CHM 5325, COS-CHEM 3(3,0)**

**Applied Molecular Spectroscopy:** Pr: CHM 3120 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

**CHM 5355, 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 4140, 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 $45.00

**CHM 5580, COS-CHEM 3(3,0)**

**Advanced Physical Chemistry:** Cr: CHM 3120 and MAC 2313. Physical chemistry as applied to the study of biological and forensic science. Fall.

**CHM 5715C, COS-CHEM 3(2,3)**

**Optical Materials Processing and Characterization Techniques:** Pr: CHM 3411 and CHM 4610 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 3(4,1)**

**Principles of Chemistry:** Pr: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving, including atomic and molecular structure, states of matter, stoichiometry, equilibria, 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:** Pr: 'C' grade or better in CHM 3046 & 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: 'C' grade or better in CHS 3505C & CHS 3501. 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: 'C' grade or better in CHM 2211, and Pr: or CR: CHS 3505C & CHS 3512, or C.I. Study of presumptive tests, isolation, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $69.00

**CHS 3533, COS-CHEM 2(0,6)**

**Forensic Biochemistry:** Pr: '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, Spring.

**CHS 3533L, COS-CHEM 3(0,3)**

**Forensic Biochemistry Laboratory:** Pr: 'C' grade or better in BSC 2010C, PCB 3063, PCB 3233, PCB 323L, 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(0,3)**

**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(0,0)**

**Cooperative Education in Chemistry:** Pr: Departmental permission required before registering. Cooperative education experience in chemistry. Graded S/U. May be repeated for credit. Occasional.

**CHS 4506C, COS-CHEM 3(2,3)**

**Forensic Investigation Technology:** Pr: A grade of 'C' or better in CHS 3550C or C.I. Modern technology applied to forensic investigation. Occasional.

**CHS 4515C, COS-CHEM 4(2,6)**

**Forensic Crime Scene Investigation:** Pr: Grade of 'C' or better in CHS 3511C, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

**CHS 4534C, COS-CHEM 3(1,5)**

**Forensic Biology 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 genealogical data analysis for evidence interpretation. Spring. M&S fee $70.00

**CHS 4537, COS-CHEM 2(0,6)**

**Forensic Laboratory Quality Assurance:** Pr: Grade of 'C' or better in CHS 3501, CHS 3550C, 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 3505C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.
UCF Courses and Descriptions

CHS 4591 COS-CHEM 4(0,40) 
Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 500 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.

CHS 4615 COS-CHEM 3(3,0) 
Secure Software Development and Assurance: PR: COP 4660 or COS 3763 and (CIS 3360 or CIS 3382) or C.I. Thread modeling. Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UML, Java security and Reverse engineering. Occasional.

CHS 5105 ECS-CS 3(3,0) 

CIS 5378 ECS-CS 3(3,0) 

CJC 3010 HPA-CJ 3(3,0) 
Corrections and Penology: PR: CCJ 3024 or C.J. Theories, structures, and programs of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJ 3(3,0) 

CJC 3164 HPA-CJ 3(3,0) 
Community-Based Corrections: PR: CCJ 3024 and CJC 3010 or C.J. An overview and analysis of correctional 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.J. Providing an overview of correctional processes 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 1102. Introductory course with focus on 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 1060C 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.J. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJ 3(3,0) 
Police and Society: PR: CCJ 3024 or C.J. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJ 4(4,0) 

CJE 4352 HPA-CJ 3(3,0) 
Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues in 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) 
Justice Agency Operations: PR: CCJ 3024 or C.J. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4640 HPA-CJ 3(3,0) 
Crimes and Criminal Justice: PR: CJC 304 or (Criminal Profiling or Crime Scene Investigation certificate declared or Junior Standing) or C.J. Provides an understanding of how physical environment influences - criminal events. Occasional.

CJE 4654 HPA-CJ 3(3,0) 
Crime and Place: PR: CCJ 3024 or (Crime Analysis and Crime Mapping Certificate declared and Junior Standing) or C.J. Provides an understanding of how physical environment influences - criminal events. Occasional.

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, or C.J. Examines police role in modern society and law enforcement policy. Occasional.

CJE 4564 HPA-CJ 3(3,0) 
Juvenile Justice System: PR: (CCJ 3024 and CJ Majors) or Victim Advocacy Certificate declared or C.J. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJE 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.

CJE 3510 HPA-CJ 3(3,0) 
Prosecution and Adjudication: PR: CCJ 3024 or C.J. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of trial, adjudicating, and sentencing defendants. Fall, Spring.

CJE 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 trespasses, and interrogations Occasional.

Childhood Psychopathology: PR: PSY 2012, CLP 3004, and PPE 3003C with a grade of "C" (2.0) or better. An in-depth survey of the prevalence, classification, symptoms, diagnosis, consequences, and treatments of disorders of infancy, childhood, and adolescence. Fall, Odd Spring.


Forensic Psychology: PR: PSY 2012 Clinical practice of psychology within the legal system, including forensic evaluation, the law, mental health, treatment, and criminal profiling. Occasional.

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.

Mental Health and Aging: PR: Graduate status or senior standing or C.I. Introduction to assessment and intervention issues, practice problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.


System Administration and Maintenance: PR: CGS 3763 with a grade of "C" (2.0) or better. An examination of operating systems and applications installation, configuration, and maintenance, including client-server architecture, server administration and management, and user/group management. Fall, Spring.

Computer Network Concepts: CR: PHY 2054C with a grade of "C" (2.0) or better. Network media, protocol current and evolving standards for local, metropolitan, wide area and wireless networks. Fall, Spring.

Network Security and Privacy: PR: (CNT 3004 or EEL 4781 or CNT 4704) and (CIS 3360 or CIS 3362) all with a grade of "C" (2.0) or better. Fundamentals of network security, protocols, secure applications, network intrusion detection, security policy, firewalls, and privacy issues. Occasional.

Communication Research Methods: PR: Either SPC 1608, SPC 1603C, COM 1000, or C.I. The variety of topics and contexts that human communication scholars examine, the theories that have emerged and the research that creates the theories. Occasional.


Communication and the Family: PR: One of the following; SPC 1608, SPC 1603C, COM 1000, or C.I. The ways members of a family unit interact verbally and nonverbally to influence one another. Fall, Spring.

Health Communication: PR: SPC 1608, SPC 1603C, COM 1000, or C.I. Theoretical and practical training in effective presentation speaking for business and professions. Fall, Spring.

Communication, and Professional Communication: PR: I/O, Ad-PR, or R-TV Majors or I/O Com Minors only, and one of the following: SPC 1608, SPC 1603C, or C.I. Theoretical and practical training in effective presentation speaking for business and professions. Fall, Spring.

Organizational Communication: PR: or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

Communication Research Methods: PR: STA 2014C and I-O Major or I-O Minor, or Human Communication major or Human Communication minor, or C.I. Research methods in communication. Understanding and interpretation of original research emphasized. Fall, Spring.

Computer Mediated Communication: PR: CGS 1060C or CGS 2100C. Communicating through computers. Profound foundations and applications of online and interactive multimedia applications, including trends and limitations. Spring.

Communication, Technology, and Change: PR: COT 3100C or CNT 3004 and STA 2033 each with grades of "C" (2.0) or better. Network design, using layered protocols, topology, addressing, security, software and hardware. Includes performance and control issues such as configuration control, error control, contention resolution, Occasional.
CRW 3713 CAH-ENG 3(3,0)
Writing for Video Games: PR: English major or minor, junior standing and grade of "C" (2.0) or better required in CRW 3013 and CRW 3033, 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 3(3,0)
Cypress Dome Editing: PR: C.I. Responsibility for all aspects of editing 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 3(3,0)
The Writing Life: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3033 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/motion/craft" work and fictional works by a series of authors. Occasional.

CRW 4114 CAH-ENG 3(3,0)
History of Prose Style: PR: English major or minor, junior standing, and grade of "C" (2.0) or better in CRW 3033, 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 3(3,0)
Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0)
Science Fiction Writing: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053, and CRW 3211, or C.I. Intensive reading, writing, and workshop of creative nonfiction drawing on memory, observation, journalistic research, and literary techniques. Fall, Spring.

CRW 4224 CAH-ENG 3(3,0)
Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in nonfiction. Peer critique and group discussion of original manuscripts. Workshop format with critique of writing assignments. Occasional.

CRW 4616 CAH-ENG 3(3,0)
Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0)
Editing for Creative Writers: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3201, CRW 3310, or CRW 3610 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 3(3,0)
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 3(3,0)
Creative Writing in the Community: PR: English major or minor, junior standing, and grade of "C" (2.0) or better required in CRW 3013, CRW 3053, and at least one of CRW 3120, CRW 3211, CRW 3310, or C.I. Teaching creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0)
Graduate Writing Workshop: PR: Admission to Creative Writing MFA or MA or Student writers present 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 MFA or C.I. Formal and theoretical study of creative writing of given genre (poetry, short fiction, etc). May be used in the degree program a maximum of 3 times. Occasional.

CRW 5084 CAH-ENG 3(3,0)
Cring, Emotion, and Service Learning: PR: 2.0 or better required in CRW 5084 with a grade of "C" (2.0) or better. CR: CRW 3084. Emphasis on the role of writing in strategic planning, community building, and social change. Fall, Spring.

CRW 5201 ECS-CECE 3(3,0)
Engineer Fluid Mechanics: PR: MAP 2302, 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.

CRW 5263 ECS-CECE 4(3,2)
Water Resources Engineering I: PR: STA 3032 and CRW 3201 both with a grade of "C" (2.0) or better. Descriptive and numerical analysis of water resource systems and planning problems. Fall, Spring.

CRW 5263 ECS-CECE 3(3,2)
Water Resources Engineering II: PR: STA 3032 and CRW 3201 both with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater dynamics, and some engineering applications of these concepts. Fall, Spring.

CRW 5263 ECS-CECE 3(2,3)
Water Resources Engineering: Fall, Spring.

CRW 5125 ECS-CECE 3(3,0)
Groundwater Hydrology: PR: CRW 4632 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 $21.00

CRW 5205 ECS-CECE 3(3,0)

CRW 5251 ECS-CECE 3(3,0)
Numerical Methods in Civil and Environmental Engineering: PR: CRW 4632 or C.I. This course will present intermediate to advanced numerical methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.

CRW 5545 ECS-CECE 3(3,0)
Water Resources Engineering: PR: CRW 4633 or C.I. Systems identification and solution to complex water allocation problems, and other hydraulic engineering designs and operations using economic analysis and operations research techniques. Occasional.

CRW 5634 ECS-CECE 3(3,0)
Water Resources in a Changing Environment: PR: CRW 4632 or C.I. Emphasis on understanding potential impact of climate change and human activities on hydrologic systems and various spatial and temporal scales. Odd Fall.

DAA 2502 CAH-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Fundamentals of tap dance. May be practical dance work as well as dance history lectures. Fall.

DAA 2520 CAH-THEA 2(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent. History of tap dance. Fall.

DAA 2521 CAH-THEA 2(2,1)
Tap Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of tap dance. Fall.

DAA 2930 ED-E&HS 2(2,0)
Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2931 ED-E&HS 2(2,0)
Ballroom Dance: Instruction in selected ballroom dances (fotowaltz, waltz,umba, swing, samba) or department consent, and C (2.0) or better required in DAA 2931 or DAA 2932. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 3000 ED-E&HS 2(2,0)
Ballroom Dance: Instruction in selected ballroom dances (fotowaltz, waltz,umba, swing, samba) or department consent, and C (2.0) or better required in DAA 2931 or DAA 2932. Intermediate classical ballet technique, including principles, theory, and practice technique. Spring.

DAA 2520 CAH-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521 CAH-THEA 2(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent. Form, style, and technique of tap dance. Spring.

DAA 2570 CAH-THEA 2(2,1)
Jazz Dance I: PR: DAA 2200C or DAA 2200C, Theatre major, or Dance minor, or department consent. Basic techniques of American Jazz dance, including practical class work and jazz dance history. Fall, Spring.

DAA 2571 CAH-THEA 2(2,1)
Jazz Dance II: PR: Theatre major, Dance minor, or department consent. Basic techniques of American Jazz dance, including practical class work and jazz dance history. Fall, Spring.

DAA 3044 ED-E&HS 2(2,0)
Dance Studio: PR: Theatre Major, Theatre Minor or Dance Minor and any DAA course offered by the Theatre Department. Periodic attendance at department dance classes with permission of individual instructors. Graded S/U. May be repeated for credit. Fall, Spring.

DAA 3208C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.
DIG 4325C CAH-SVAD 3(1,4)

DIG 4326C CAH-SVAD 3(1,4)
Geometrical 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 4354C CAH-SVAD 3(1,4)
Advanced 3D Animation: PR: DIG 4326C, 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 3350C and successful portfolio review or C.I. Techniques and mechanics of artificial characters, 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. Spring.

DIG 4394C CAH-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 perstaining to 3D Content. Spring.

DIG 4395C CAH-SVAD 3(3,0)
Motion Capture for Performance: PR: MAC 1105C, and one of TPA 1200C, C.I. Developing creative skills, theory and law of motion capture systems for live and recorded dramatic performance, augmented and virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(1,4)

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 4466C 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 reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0)

DIG 4522 CAH-SVAD 3(3,0)
Digital Media Service: PR: DIG 3305. 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 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Management and execution of large digital media projects, using structured 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 4359C, successful portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme 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 industries. Prerequisites: convers or 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 new digital media applications using ActionScript, including dynamic and 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 and DIG 3525. Principles and theories of video game design, including software, 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 2500C, 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)
Converting Media Content: PR: GEB 3031 Cornerstone and 12 hours of restrict elective with Visual Arts and Emerging Media Management Team. Team based conversting media projects to a capstone project that emphasizes creative thinking, prototyping development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee $45.00

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 5366 CAH-SVAD 3(3,0)
Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5487 CAH-SVAD 3(3,0)
Visuals of Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions 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 5549C CAH-FIEA 3(1,3)
Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. Fall.

DIG 5565C CAH-SVAD 3(1,3)

DIG 5627 CAH-SVAD 3(3,0)
Autonomous Characters: PR: Graduate status or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.

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 COS-PSYCH 3(2,2)
Introduction to Modeling and Simulation: PR: STA 2023 or equivalent. Introduction to the theory and practice of modeling and simulation with emphasis on multidisciplinary scientific underpinnings. Fall.

DIG 5876 COS-PSYCH 3(3,0)
Quantitative Aspects of Modeling and Simulation: PR: Graduate Standing or C.I. Introduction to matrix algebra and other discrete mathematics topics for modeling and simulation applications. Spring.

DIG 5950 CAH-SVAD 3(3,0)
Interactive Entertainment Capstone: PR: Admission to Digital Media MS or C.I. Interactive digital content creation technologies and development processes. Prerequisite conversting media content document and technical design document for a production project. Graded S/U. Fall, Spring.
DSC 4012 HPA-CJ 3(3,0)  
Terrorism: PR: Sophomore standing and ENC 1102. An examination of comparative strategies 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 3703C COS-PSYCH 4(3,2)  
Principles of Behavior Modification: PR: PSY 2012. 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 3706C COS-PSYCH 4(3,2)  
Behavior Modification - Part II: PR: EAB 3703C. Further examination of techniques of behavior modification 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: DEP 5507 and EXP 5445, and graduate status in the DEP program. C1: Advanced study of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010 ECS-MECH/AERO 3(3,0)  

EAS 3011 ECS-MECH/AERO 3(3,0)  
Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312 and PHY 2048; CR EGN 3343. Fundamental theories of inviscid, incompressible aerodynamics and flight mechanics. Fall.

EAS 3365 or EMA 3706  

EAS 4134 ECS-MECH/AERO 3(3,0)  
High-Speed Aerodynamics: PR: EAS 3101. Normal and oblique shock waves, puzzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.

EAS 4154 ECS-MECH/AERO 3(3,0)  
Rotorcraft Aerodynamics: PR: EAS 3010. Helicopter aerodynamics and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. Fall.

EAS 4200 ECS-MECH/AERO 3(3,0)  

EAS 4210 ECS-MECH/AERO 3(3,0)  

EAS 4240 ECS-MECH/AERO 3(3,0)  

EAS 4400 ECS-MECH/AERO 3(3,0)  

EAS 4404C ECS-MECH/AERO 3(2,3)  
Aerospace Design II: PR: EGM 4312C and EAS 3000C. Design 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(3,0)  
Orbital Mechanics: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 3133, MAP 3302 and PHY 2048. Two-body problem, orbital equations, orbital transfer, earth satellite operation. Spring.

EAS 4600C ECS-MECH/AERO 3(1,6)  

EAS 4710C ECS-MECH/AERO 3(1,6)  
Aerospace Design IV: PR: EAS 4700C, EAS 4991. 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 $65.00

EAS 4991 ECS-MECH/AERO 0(0,0)  
Aerospace Career and Academic Faculty Advising II: PR: EAS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EAS 5123 ECS-MECH/AERO 3(3,0)  

EAS 5157 ECS-MECH/AERO 3(3,0)  

EAS 5211 ECS-MECH/AERO 3(3,0)  
Aeroelasticity: PR: EAS 3101 or EML 3011 and EAS 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 aeroelasticity, flutter and vibration. Occasional.

EAS 5302 ECS-MECH/AERO 3(3,0)  

EAS 5315 ECS-MECH/AERO 3(3,0)  
Rocket Propulsion: PR: EAS 4134 or EML 4703. Analysis and performance of rocket motors; selection and thermochemistry of chemical propellants. Fall, Spring.

EAS 5407C ECS-MECH/AERO 3(2,3)  

EAS 5535 ECS-MECH/AERO 3(3,0)  
Engineering Design for Aerospace Vehicles: PR: MAP 2302 or EML 4220, EML 4703, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

ECM 4504C ECS-ECOE 4(3,3)  

ECO 2013 BA-ECON 3(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(3,0)  

ECO 2023 BA-ECON 3(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(3,0)  
Honors Principles of Microeconomics: PR: Permission of Honors. 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. Honors content. Occasional.

ECO 3070 BA-ECON 1(1,0)  
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101 BA-ECON 3(3,0)  

ECO 3203 BA-ECON 3(3,0)  
ECO 3223 BA-ECON 3(3,0)

ECO 3401 BA-ECON 3(3,0)
Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410 BA-ECON 3(3,0)
Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomic foundations of individual decision-making. Spring.

ECO 3411 BA-ECON 3(3,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor, ECO 2013, ECO 2023, and ECO 3401. The use of statistical tools as scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3703 BA-ECON 3(3,0)
International Microeconomics: PR: ECO 3101. Fundamental principles of Classical and Neoclassical international trade theories, as well as trade’s impact on globalization, resource flows and the impact of trade on the developing world. Trade policy both in theory and practice is also examined. Fall.

ECO 3704 BA-ECON 3(3,0)

ECO 4303 BA-ECON 3(3,0)

ECO 4412 BA-ECON 3(3,0)

ECO 4504 BA-ECON 3(3,0)

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3223 or ECO 3222. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0)
Law and Economics: PR: ECO 2013 and 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 1(1,0)
Capstone in Economics: PR: ECO 3101, ECO 3203, ECO 3411, Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics problem and policies. Graded SU. Fall, Spring.

ECO 4934 BA-ECON 3(3,0)

ECO 4941 BA-ECON 3(3,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded SU. Fall, Spring.

ECO 5005 BA-ECON 3(3,0)

ECT 3062 ED-CFCS 3(3,0)
Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introspection into career and technical education teaching and the transition from industry to education. Occasional.

ECT 3365 ED-CFCS 3(3,0)

ECT 3367 ED-CFCS 3(3,0)

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)

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 trainers analysis tasks. Spring.

ECT 4384 ED-CFCS 3(3,0)
Advanced Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. Fall.

ECT 4815 ED-CFCS 3(3,0)

ECW 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.

ECW 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.

ECW 5207 ED-CFCS 2-4(2-4,0)
Management of Vocational Programs: PR: Rank II Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-CFCS 2-4(2-4,0)
Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5561 ED-CFCS 2-3(2-3,0)
Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.

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)
Internship I: PR: EDG 4410, RED 4012, 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 3942H ED-TL&L 3(3,0)
Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TL&L 3(3,0)
Integrated Arts and Movement in the Elementary Classroom: Admission to Elementary Education program. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00

EDF 4945 ED-TL&L 1(1)
 Internship II Seminar: PR: All required program courses; CR: EDF 4943 Internship II. Seminar on qualitative classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 2005 ED-TL&L 3(3)
 Introduction to the Teaching Profession: A survey course including an orientation to educational careers, ethics, and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2130 ED-TL&L 3(3)
 Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence. Includes directed field experience. Fall, Spring.

EDF 2250 ED-TL&L 3(3)
 Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2510 ED-TL&L 3(3)
 Education and Nation Building: An introduction to the impact of education on the nation building in the U.S. and elsewhere, including education's impact on current policies and issues. Fall, Spring.

EDF 2720 ED-TL&L 3(3)

EDF 2801 ED-TL&L 3(3)
 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.

EDF 3120 ED-TL&L 3(3)
 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.

EDF 3601 ED-TL&L 3(3)
 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.

EDF 4466 ED-E&HS 3(3)
 Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.

EDF 4467 ED-TL&L 3(3)

EDF 4467H ED-TL&L 3(3)
 Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2055, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical and practical debate. Fifteen hour in-school experience required. Even Fall.

EDF 4603 ED-TL&L 3(3)
 Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2055, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 3(3)
 Honors Analysis and Application of Ethical, Legal and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDF 5245 ED-TL&L 3(3)

EDF 5607 ED-TL&L 3(3)

EDG 1005C ED-TL&L 2(1)
 Foundations of Leadership: PR: LEAD Scholars Program. Seminar on educational leadership in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3)
 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 4410 ED-TL&L 3(3)
 Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2055, 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 ED-TL&L 1-8(1-8)
 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 ED-TL&L 3(3)
 Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-TL&L 3(3)
 International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in study abroad programs. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3)
 Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become better TAs and help students deliver better technical presentations. Occasional.

EDG 5745 ED-TL&L 3(3)
 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 ED-TL&L 2-8(0,11)
 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.

EDH 5306 ECS-MECH/AERO 1(1)
 The Ethical Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover ethical issues of teaching and learning about the impact on teaching and learning. Fall.

EDH 5306H ECS-MECH/AERO 1(1)
 Honors Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDH 5607 ECS-MECH/AERO 3(3)

EDU 5204 ED-TL&L 3(3)
 Community and School: PR: Consent of Honors. Critical examination of current in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDU 5707 ED-TL&L 3(3)
 Foundations of Leadership: PR: LEAD Scholars Program. Seminar on educational leadership in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDU 5707H ED-TL&L 3(3)
 Honors Foundations of Leadership: PR: Consent of Honors. Critical examination of current in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDU 5805 ED-TL&L 3(3)

EDU 5805H ED-TL&L 3(3)
UCF Courses and Descriptions

EEC 4235C ED-TL&L 3(2,1) Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4265, EEE 3450, EEX 3310, EEX 3320. Seminar provides opportunities for students to discuss, examine, and critically evaluate theoretical and practical issues concerning early childhood education. Corequisites: MAT 4300, RED 4311, SCE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EEC 4260 ED-TL&L 3(3,0) 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 techniques, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program’s stakeholders. Fall.


EEC 4303 ED-TL&L 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission to 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.


EEC 4402 ED-TL&L 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414 ED-TL&L 3(3,0) Parent-Child Relations: PR: EEC 3700; EEC 4661; RED 3310; EEC 4751; LIN 3716; 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.

EEC 4524 ED-TL&L 3(3,0) Organization and Management in Early Childhood: PR: Admission into the various tracks of the Childhood Development and Education program. Students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-TL&L 3(3,0) 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.


ECC 4744 ED-TL&L 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches child life theory and practice to students wanting to work with children, youth and their families in hospitals and pediatric clinical settings. Spring.


ECC 4940 ED-TL&L 12(0,12) Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall, Spring.

ECC 4942 ED-TL&L 9(0,9) Practicum: Early Childhood Careers: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4414, EEC 4260, EEC 4314, and EEC 4211. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Spring.

ECC 4943 ED-TL&L 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

ECC 5205 ED-TL&L 3(3,0) Programs and Trends in Early Childhood Education: PR: Regular certificate or C.I. Philosophy, content, facilities, instructional materials, and activities appropriate for children ages 3 to 8 years; current research; issues and trends. Concurrent laboratory experiences. Occasional.

ECC 5206 ED-TL&L 3(3,0) Organization Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and mathematics (K-3). Concurrent laboratory experiences. Spring.

ECC 5208 ED-TL&L 3(3,0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

ECC 5745 ED-TL&L 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: ECC 3700 or C.I. Course teaches child life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

EEE 3307C ECS-ECE 3(3,0) Micro-Electro Mechanical Systems devices, Optical MEMS, instrumentation and applications. Fall, Spring.

EEE 4309C ECE-ECE 3(3,0) Digital Systems: PR: MAC 2313C, MAC 2312, PHY 2048C, PHY 2049C all with a C (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $90.00.


EEE 5332C ECE-ECE 3(2,1) Thin Film Technology: PR: EEE 3350 or equivalent. Focuses on the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00.


EEE 5533 ECE-ECE 3(3,0) Semiconductor Design Modeling and Simulation: PR: EEE 3350. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5606 ECE-ECE 3(3,0) Fabrication of Solid State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall, Spring. M&S fee $70.00.


EEE 5759 ECE-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEE 4090C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5900C ECE-ECE 3(3,0) Full-Current VLSI Design: PR: EEE 3342C, EEE 3370C. Provide background in integrated devices, circuits, and digital subsystems needed for design and implementation of silicon logic chips. Occasional.


EEE 5542 ECE-ECE 3(3,0) Random Processes I: PR: EEL 3552C and STA 3032. Elements of probability theory, random variables, and stochastic processes. Fall, Spring.
EEE 5555 ECS-ECE 3(3,0)
Surface Acoustic Wave Devices and Systems: PR: EEL 3525C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEE 5557 ECS-ECE 3(3,0)

EEL 3004C ECS-ECE 3(2,2)
Electrical Networks: PR: MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transistors, ac analysis, power calculations and three-phase circuits. Fall, Spring.

EEL 3004C ECS-ECE 3(3,2)
Honors Electrical Networks: PR: Permission of Honors and MAC 2311C, MAC 2312, MAC 2313, PHY 2048C, PHY 2049C all with a "C" (2.0) or better grade. CR: MAP 2302. Analysis and design of linear circuits, transistors, ac analysis, power calculations and three phase; circuits. Spring.

EEL 3041 ECS-ECE 3(3,0)
Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relating to cables, connections, and buses. Not open to ECE and CpE majors. Fall, Spring.

EEL 3123C ECS-ECE 4(3,0)
Networks and Systems: PR: EEL 3004C, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. Fall, Spring. M&S fee $15.00

EEL 3470 ECS-ECE 3(3,0)

EEL 3531 ECS-ECE 3(3,0)

EEL 3552C ECS-ECE 4(3,3)

EEL 3657 ECS-ECE 3(3,0)
Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEL 3801C ECS-ECE 3(3,2)

EEL 4050L ECS-ECE 10(3,3)
EECS Integrated Laboratory: PR: EEL 3525C, EEL 3657, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sound signals, transducers and receivers based upon AM and FM, PID controller and feedback systems, and power conversion. Occasional.

EEL 4140C ECS-ECE 4(3,3)
Analog Filter Design: PR: EEL 3123C, Passive and active analog filter design. Fall. M&S fee $15.00

EEL 4205 ECS-ECE 3(3,0)

EEL 4216 ECS-ECE 3(3,0)
Fundamentals of Electric Power Systems: PR: EEL 3004C or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE 4(3,3)
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuits, waveguide, resonators, basic microwave measurements. May be repeated for credit. Fall. M&S fee $35.00

EEL 4440 ECS-ECE 3(3,0)
Optical Engineering: PR: EEL 3470 or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Occasional.

EEL 4512C ECS-ECE 4(3,3)

EEL 4515C ECS-ECE 4(3,3)

EEL 4518 ECS-ECE 3(3,0)
Satellite Communication Systems: PR: EEL 3500C or 3552C. The principles of satellite communications, including communications satellites, Earth stations, link analysis, FDMA and TDMA. May be repeated for credit. Fall.

EEL 4612C ECS-ECE 3(3,0)

EEL 4623C ECS-ECE 4(3,3)
Computer Control Systems: PR: EEL 3557. Discrete-time systems, the z-transform, and single loop computer control systems. Digital simulation in the analysis and design of processes with embedded computers. No graduate credit for both EEL 5630 and this course. Occasional.

EEL 4660 ECS-ECE 3(3,0)
Robotic Systems: PR: EGN 4000C or EEL 4742C or COP 3503C. 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. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00

EEL 4914 ECS-ECE 3(3,0)
Senior Design II: PR: EEE 3307C, EEL 4742C, and consent of School of EECS. 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. Emphasis on 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 3657. Models and properties of linear systems, transfer characteristics and observability, control and observer designs, MFD, and realization theory. Spring.
EEL 5185 ECS-ECE 3(3,0) System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Spring.

EEL 5245C ECS-ECE 3(2,1) Power Electronics: PR: EEE 4300C Principles of power electronics, power semiconductor devices, inverters, topologies, switch-mode and resonant dc-dc converters, cycloconverters, applications. Fall.

EEL 5432 ECS-ECE 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or PHY 4324. Fundamentals of remote sensing, remote sensing, control, and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, 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 $38.91

EEL 5439C ECS-ECE 4(3,3) RF and Microwave Communications: PR: EEL 4431 or equivalent. RF and microwave active circuits, microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Spring. M&S fee $41.00

EEL 5462C ECS-ECE 3(1,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.

EEL 5625 ECS-ECE 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) Digital Control Systems: PR: EEL 3657. Real-time digital control system analysis and design, 2-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5669 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3657 or C.I. Introduction to robotics, with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5690 ECS-ECE 3(3,0) Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspaces 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, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.

EEL 5722C ECS-ECE 3(3,3) Field-Programmable Gate Array (FPGA) Design: PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfigurable computing applications, and evolvable hardware. Even Fall.


EEL 5780 ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access 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, EV). Even 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 encoding; segmentation; and feature extraction, introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: EEL 4750 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network 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) Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a project oriented framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specification. Occasional.

EEL 5874 ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4672 or CAP 4630. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0) Software Engineering I: PR: C.O.P 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5936 ECS-ECE 0(1,0) Current Topics (previous course): 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 EE and CE fields. Graded S/U. Occasional.

EEX 411C ECS-CECE 2(3,3) Chemical Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better; CR: ENV 4531. Engineering design, measurements and analysis of environmental systems for water management, bio-energy products, wastewater treatment, and others. Spring. M&S fee $59.00

EEX 4202C ECS-CECE 4(3,3) Pattern Recognition: PR: EEL 4750 or C.I. Pattern Recognition techniques, application to document classification, computer vision, image analysis, and computer vision. Even Fall.

EES 5318 ECS-CECE 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.

EEX 2010 ED-ECFS 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the school. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-ECFS 3(3,0) Exceptional Populations in School and Society: Changing the nature and needs of exceptional students in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.
EEX 4763 ED-CFCS 3(3,0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3421, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS 12(0,35) Internship II: PR: Completion of specialization. Satisfactory completion of 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.

EEX 5051 ED-CFCS 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.

EEX 5702 ED-CFCS 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.

EEX 5750 ED-CFCS 3(3,0) Communication with Parents and Agencies: Presentation of methods of interacting with community agencies, supporting and collaborating with families, developing a case management system, and facilitating program transition. Occasional.

EGN 3601 ECS-MECH/AERO 3(3,0) Solid Mechanics: PR: EGR 3310 and C (2.0) or better in the following MAC 2311C, MAC 2312, MAC 2313 and PHY 2048 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 3601L ECS-MECH/AERO 2(3,0) Solid Mechanics Lab: PR: EGN 3601. Solid Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gage measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M&S fee $45.00

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: EGN 1006C and New student status or C.I. Introduction to the use of computer and applications software in solving engineering problems. Emphasis on the process of engineering design through the use of teams: engineering communication; engineering professionalism and ethics. Spring.

EGN 2020C ECS-EIMS 2(1,1) LEAD Colloquium: 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 1098C, EDG 1005C or HSC 191C: Provides experiential leadership experience in an appropriate leadership 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 “C” (2.0) or better. Engineering analysis and computation with structured constructs. Subscripted variables, functions, input/output. Applications in embedded systems and examples of mathematical methods. Fall, Spring.

EGN 3210 ECS-ECE 3(3,0) Engineering Analysis-Statics: PR: MAC 2311C, PHY 2048C both with a grade of “C” (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultant of force systems, free-body diagrams, equilibriums of rigid bodies, and analyses of structures. Fall, Spring.

EGN 3310H ECS-ECE 3(3,0) Honors Engineering Analysis-Statics: PR: Permission of Honors and MAC 2311C, PHY 2048C both with grades of “C” (2.0) or better; CR: MAC 2312. Advanced treatment of material and sectional topics, including project work. With Honors content. Fall, Spring.

EGN 3321 ECS-MECH/AERO 3(3,0) Engineering Analysis-Dynamics: PR: EGR 3310; CR: MAC 2313 and knowledge of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EGN 3321H ECS-MECH/AERO 3(3,0) Honors Engineering Analysis - Dynamics: PR: Permission of Honors and EGR 3310; CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.


EGN 3343H ECS-MECH/AERO 3(3,0) Honors Thermodynamics: PR: Honors status; CR: EGR 2301 or EGR 2302 or MAP 2302. Work, heat, and energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. Spring.


EGN 3365 ECS-MECH/AERO 3(3,0) Structure and Properties of Materials: PR: CHS 1440 or CHM 2045C and MAC 2312 with a grade of “C” (2.0) or better in both. Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. Fall, Spring.

EGN 3365H ECS-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. Atomic bonding; lattices; phonons; crystal structure; diffraction; deformation; failure theories; solidification and transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Spring.

EGN 3373 ECS-ECE 3(3,0) Principles of Electrical Engineering: PR: PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Fall, Spring.

EGN 3373H ECS-ECE 3(3,0) Honors Principles of Electrical Engineering: PR: Permission of Honors and PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems, transformers, electromechanics and rotating machines. Spring.

EGN 3420 ECS-ECE 3(3,0) Engineering Analysis: PR: EGR 3311, and MAC 2312 with a “C” (2.0) or better. Engineering applications of numerical methods including curve fitting, root finding, interpolation, integration and plotting. Occasional.

EGN 3613 ECS-EIMS 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 impact of taxes, risk, depreciation. Fall, Spring.

EGN 4060C ECS-ECS 3(3,0) Introduction to Robotics: PR: COP 3223 or EGR 2310; CR: EEL 4742C or COP 3930C or EGR 3321 or EML 3217. 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, EGR 4152, or C.I. Focus on 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 4706C ECS-MECH/AERO 3(2,4) Small Satellite Payloads and Integration: PR: EML 3300C OR EAS 3800C OR EEL 3801C OR ESI 4520C. 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

EGN 4931H ECS-ECS 3(3,0) Honors Engineering Seminar: PR: Permission of Honors and Senior standing or C.I. Introduction to a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will present independent research which will prepare them for graduate study. Occasional.

EGN 5540 ECS-MECH/AERO 3(2,3) Small Rocket Applications for Teachers: PR: Admission to Lockheed Martin UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.

EGS 1006C ECS-ECS 1(1,2) Introduction to the Engineering Profession: PR: New student status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGS 1036C ECS-EIMS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGS 3030 ECS-ECS 2(0,0) Leadership in Engineering I: PR: Junior standing in a CEGS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGS 3031 ECS-ECS 2(0,0) Leadership in Engineering II: PR: Junior standing in a CEGS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGS 4624 ECS-ECS 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: Enrolled in Engineering Leadership Minor or Certificate; CR: approved design course in Engineering or Computer Science Students will reflect upon and define their professional approach. Students will develop their professional portfolio, concept of operations, and individual strategic plan. Fall, Spring.

M&S fee $45.00
EIN 2002 ECS-IEMS 1(1,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311C with a grade of "C" (2.0) or better and sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3134 ECS-IEMS 3(3,0)
Working with Design: PR: STA 3022 with a grade of "C" (2.0) or better and C.I. Introduction to lean six sigma as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 335 ECS-IEMS 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-IEMS 3(3,0)
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-IEMS 2(2,2)
Engineering Leadership Seminar I: PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (interpersonal to interdepartmental to interorganizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.

EIN 4192C ECS-IEMS 2(2,2)
Engineering Leadership Seminar II: PR: EIN 4191C. Completion of EIN 4191C. Spring.

EIN 4214 ECS-IEMS 3(3,0)

EIN 4243C ECS-IEMS 3(3,0)
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-IEMS 3(3,0)
Production and Distribution Systems: PR: ESI 4312 or C.I. Intermediate to manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-IEMS 3(3,0)
Facilities Planning: PR: EIN 3314 and EIN 3531 both with grades of "C" (2.0) or better. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-IEMS 3(3,0)
Manufacturing Engineering: PR: Grade of "C" (2.0) or better in any of the following course options CHM 1440 or CHM 2045C and PHY 2048 or PHY 2053C and PHY 2049C and C.I. Modular design and production systems, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-IEMS 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-IEMS 3(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-IEMS 4(2,4)
Industrial Engineering Senior Design Project: PR: EIN 4304 and ESI 4523C 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-IEMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGN 4242 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 5110 ECS-IEMS 3(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-IEMS 3(3,0)
Project Engineering: PR: Graduate standing and C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-IEMS 2(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, psychology, and physiology musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-IEMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and storyboard evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5255C ECS-IEMS 3(2,2)
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-IEMS 3(3,0)
Training System Design: 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-IEMS 3(3,0)
Engineering Logistics: Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5536 ECS-IEMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5592C ECS-IEMS 3(2,2)
Manufacturing Systems Engineering: PR: EIN 4312 or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

ELD 4241 ED-ECFS 4(4,0)

EMA 3000 ECS-MSE 3(3,0)
Engineering Polymeric, Ceramic, and Composite Materials: PR: EGN 3365 or EMA 3706. Structure, properties, processing, and engineering of polymeric, ceramic, and composite materials. Occasional.

EMA 3012C ECS-MSE 3(3,2)
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. MAS fee $45.00

EMA 3124 ECS-MSE 3(3,0)
Design and Selection of Materials: PR: EGM 3343, and EGN 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MSE 3(3,0)

EMA 3706 ECS-MECH/AERO 3(3,0)
Structure and Properties of Aerospace Materials: PR: (CHS 1440 or CHM 2045C) and MAC 2312 with grades of "C" (2.0) or better and both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design Fall, Spring.

EMA 4102 ECS-MSE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706, and a "C" (2.0) or better 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 4223 ECS-MSE 3(3,0)

EMA 4413 ECS-MECH/AERO 3(3,0)

EMA 4501C ECS-MSE 3(2,2)

EMA 4503 ECS-MSE 3(3,0)

EMA 4506 ECS-MSE 3(3,0)
Emerging Materials: PR: EGN 3365, or EMA 3706. Study, properties and processing of modern emerging materials Occasional.

EMA 5060 ECS-MSE 3(3,0)
Polymer Science and Engineering: PR: EGN 3365 Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.

EMA 5104 ECS-MSE 3(3,0)

EMA 5106 ECS-MSE 3(3,0)

EMA 5108 ECS-MSE 3(3,0)
Surface Science: PR: PHY 2049C and C.I. Methods of optical and physical analysis of surfaces, with emphasis on ultra high vacuum systems and utilizing electron, ion and photon probes. Occasional.
Introduction to Ceramic Materials: PR: EGN 3365. Uses, translation and chemical properties and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


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 examples. Fall.

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.


Materials Science of Thin Films: PR: Graduate standing or C.I. Introduction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.


Biomaterials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; orthopedic and dental implants; medical devices; MS and FDA compatibility data. Occasional.


High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

Introduction to Technology for Educators: PR: MAC 2311C, EGN 3343 or EMA 3706. Set up and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement of surface roughness of finished parts. Graded S/U.

Introduction to Applications of Technology in Education: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using on-line and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Placing in instructional media, including computers. Includes experiences with equipment, commercial and teacher-made media, and their uses. Occasional.

Fundamentals of Technology for Educators: PR: Post bac or C.I. Designed to provide participants with an introduction to the field of educational technology content with emphasis on using on-line and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

Technologies of Instruction and Information Management: PR: Acceptance into Ed Media Program or C.I. Skills in producing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

Electronic Resources for Education: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C.I. Survey of materials for children’s and young adults’ informational and recreational needs; analysis, evaluation, and utilization of print and non-print materials. Spring.

Teaching and Learning with Technology: PR: Graduate standing or C.I. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

Design and Analysis of Machine Components: PR: EGN 3343, CR: EGN 3501. Design for function and invention, system design analysis of complete mechanical systems. Fall, Spring.

Mechanical Engineering - Dynamics: PR: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.


Fluid Mechanics I: PR: EML 3217, EGN 3343 and a “C” (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Basic concepts of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.


EML 5403 ECS-MECH/AERO 3(3,0)
Science and Technology of Fuel Cells: PR: EGN 4104 and 4104L. Fundamental knowledge along with hands-on experience with design, manufacturing and operation of fuel cells. Occasional.

EML 5430C ECS-MECH/AERO 3(2,3)
Design for Manufacturing in Turbomachinery: Gas/Steam/Wind Turbines & Generators; PR: EGN 3436 or EMA 3706. Overall assembly of rotational stationary components in power generation powerplants; probabilistic design, materials, coatings, manufacturing steps, defects for gas/steam/wind turbines and generators. Fall.

EML 5431C ECS-MECH/AERO 3(3,0)
Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3901, EML 4220 or EML 4225, EGN 3365 or EMA 3706. Mechanical & dynamic integrity issues such as creep, fatigue, fracture, rotordynamics, vibration, flutter, as related to turbines and generators; reliability; cost-time-performance trade-off in design. Spring.

EML 5456 ECS-MECH/AERO 3(0,0)
Turbines for Sustainable Power: PR: EGM 3501, (EGN 3365 or EMA 3706) or EML 3701 or EAS 3191 CR: EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion; probabilistic design; generation; structural integrity issues; analysis; development; application of conventional and new turbine technology. Fall.

EML 5523C ECS-MECH/AERO 3(2,3)
Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4535G. Topics include computer modeling for the synthesis, simulation, design, manufacturing of mechanical, thermal, and aerospace systems. Occasional. M&S fee $15.00

EML 5546 ECS-MECH/AERO 3(0,0)

EML 5572 ECS-MECH/AERO 3(0,0)

EML 5587C ECS-MECH/AERO 3(2,3)
Mechanics of Biotissues I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MECH/AERO 3(2,3)
Mechanics of Biotissues II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc) biotissues and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5713 ECS-MECH/AERO 3(0,0)

EML 5760 ECS-MECH/AERO 3(0,0)

EML 5761C ECS-MECH/AERO 3(2,2)
Applied and Computational Biofluids: PR: EML 4304C, EML 4703. Computer-aided design and application of applied fluid mechanics and computational methods to the human circulation. In addition to case studies, the course provides laboratory experiences in bioengineering with application to biofluid mechanics. Odd Spring.

EML 5936 ECS-MECH/AERO 1(1,0)

ENC 1101 CAH-WRITE 3(0,0)
Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-WRITE 3(0,0)
Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-WRITE 3(0,0)
Composition II: Expository writing with a grade of "C" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to the course. Fall, Spring.

ENC 1102H CAH-WRITE 3(0,0)
Honors Freshman Composition II: PR: ENC 1101H with a grade of "C" or better and C.I. or permission of Honors. Same as ENC 1101, with honors-level content. Note on Freshman English Program: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1130 CAH-WRITE 3(0,0)
Improving Colloquial Writing: Entry-level writing course designed to prepare students to read and write effectively at the college level. Fall.

ENC 2127 CAH-WRITE 3(3,0)
Grammar and Composition: A systematic study of grammar and mechanics to improve editing for clarity and accuracy in writing. Occasional.

ENC 2411C CAH-ENG 4(3,0)
Digital Literacy for the Liberal Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of technology; to acquire a critical sensitivity regarding the manner in which technological affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG 3(0,0)
Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports Fall, Spring.

ENC 3241H CAH-ENG 3(0,0)
Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing, or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports Fall, Spring.

ENC 3241H CAH-ENG 3(0,0)
Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better required in ENC 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose using technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250H CAH-ENG 3(0,0)
Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102 Study of and practice with professional writing as a rhetorical act involving problem solving and audience accommodation; includes research and text production practices as well as business genres and conventions. Honors-level content. Occasional.

ENC 3310H CAH-WRITE 3(0,0)
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 3314H CAH-WRITE 3(0,0)
Magazine Writing: PR: Grade of C (2.0) or better required 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 3330 CAH-WRITE 3(0,0)
Writing in the University: 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 3331CAH-WRITE 3(0,0)
Rhetoric and Civic Engagement: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines rhetorical theory in order to analyze and participate in contemporary public debates and civic engagement efforts. Fall, Spring.

ENC 3331H CAH-WRITE 3(0,0)
Honors Rhetoric and Civic Engagement: PR: Consent of Honors. Examines rhetorical 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(0,0)
Writing for Publication: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines freelance markets, article genre, 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 3351H CAH-WRITE 3(0,0)
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 rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3351H CAH-WRITE 3(0,0)
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 rhetorical skills needed to design and produce articles for specific audiences and publications. Occasional.

ENC 3372 CAH-WRITE 3(0,0)
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(0,0)
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(0,0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examines how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE 3(0,0)
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.

UNIVERSITY OF CENTRAL FLORIDA
471
Undergraduate Catalog 2014-2015
ENC 3433 CAH-WRITE 3 (3,0) Multimedia Writing and Composition: PR: Grade of “C” (2.0) or better required in ENC 1102 or C.I. Study and practice of multimedia writing (involving 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) Written 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: Consent of Honors. Writing about scientific and technological research and developments for non-scientific audiences, including laypeople and policymakers. With Honors content. 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 3473 CAH-WRITE 3 (3,0) Writing About Disciplinary Cultures: PR: Grade of “C” (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. 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 of study and/or research in writing with personalized faculty direction. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG 3 (3,0) Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 1102. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4212 CAH-WRITE 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 Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Study of publishing technology, stressing composition and printing; word processing, 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 4293. Relevant theories of the visual and their application to technical communication practice. Fall.

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 and junior standing, 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 in ENC 1102 and C.I. Theory 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 or C.I. 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 3241 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3 (3,0) Documentation and the Collaborative Process: 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 4294 CAH-ENG 3 (3,0) Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student’s particular field. Should be taken concurrently with ENC 4215. Fall, Spring.

ENC 4298 CAH-ENG 3 (3,0) Technical Communication for the Virtual Workplace: PR: ENC 1102. Collaborative technologies used in the modern workplace and the challenges associated with virtual collaboration. Students will participate in a virtual team project. Fall, Spring.

ENC 4312 CAH-ENG 3 (3,0) Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical emotional and ethical appeals. Occasional.

ENC 4313 CAH-ENG 3 (3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4353 CAH-WRITE 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-Community Based Research and Writing: PR: Grade of “C” (2.0) or better required in ENC 1102, and consent of Honors. Study, application, assessment, and presentation of community-based research and writing using various methods, including intercultural inquiry. With Honors content. Occasional.

ENC 4360 CAH-ENG 3 (3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, 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-ENG 3 (3,0) Gendered Rhetorics: PR: Grade of “C” (2.0) or better required in ENC 1102. Historical and theoretical study of gendered rhetorical practices, with emphasis on women rhetors. Occasional.

ENC 4378 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 in which 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 ENC 3836; PR or CR: ENC 4454, ENC 3473, or ENC 4275. Culminating required course for students majoring in Writing and Rhetoric. Students reflect on disciplinary identity, possible career trajectories, and transferrable 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 literacy and information to develop a more critical sensibility regarding hypertext. Occasional.

ENC 4415 CAH-ENG 3 (3,0) Digital Rhetorics and The Modern Dialectic: PR: Grade of “C” (2.0) or better required in ENC 1102. Focus on the development of digital rhetorics appearing in online environments through close reading and analysis of formative rhetorical 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 and Material 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-BASED 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.
ENV 4341 ECS-CECE 3(3.0) Solid & Hazardous Waste Management: PR: ENV 3001 with a grade of “C” (2.0) or better. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4433C ECS-CECE 3(2.2) Environmental Engineering Wastewater Design: PR: EES 4411C or ENV 4531 both with grades of “C” (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

ENV 4531 ECS-CECE 3(3.0) Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 3201 both with a minimum grade of “C” (2.0) or better. Water and wastewater treatment design considerations with efficient and sludge handling, recycling, and disposal. Fall, Spring.

ENV 4561 ECS-CECE 3(3.0) Environmental Engineering Operations & Processes II: PR: ENV 4531 with a grade of “C” (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and desalination. Fall, Spring.

ENV 4562C ECS-CECE 3(3.0) Environmental Water Treatment Design: PR: EES 4202C or ENV 4531 both with grades of “C” (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale potable water treatment plant. Spring. M&S fee $43.00

ENV 5356 ECS-CECE 4(4.0) Solid and Hazardous Waste Management: PR: Grade of “C” (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CECE 3(3.0) Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, ultraviolet irradiation. Internal corrosion and microbial control in municipal and industrial water distribution systems. Odd Spring.


ENV 5517 ECS-CECE 3(3.0) Engineering Chemical and Biological Processes I: PR: CRI 4510 (or equivalent). CR: ENV 4510. Engineering chemical and biological processes. Fall.

ENV 5636 ECS-CECE 3(3.0) Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resource systems with the emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

ENV 4004C COS-BIOL 4(2.6) General Entomology: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $15.00


EPD 5395 ED-CFCS 3(3.0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and sociological factors which may contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TL&L 1(1,0) Internship II Seminar: PR: Internship I in the specific discipline: C.I. Internship II in the specific discipline: Cuminulating seminar emphasizing current classroom management and assessment issues, as they relate to teaching in the secondary grades. Fall, Spring.


ESE 4221 ECS-EMHS 3(3.0) Empirical Methods for Industrial Engineering: PR: STA 3032 or a grade of “C” (2.0) or better. Application of empirical methods for industrial engineering problem solving.

ESE 4234 ECS-EMHS 3(3.0) Quality Engineering: PR: STA 3032 with a grade of “C” (2.0) or better. Basic concepts and techniques of quality control; applications of statistics in industrial research; design of quality assurance systems; reliability engineering.

ESE 4312 ECS-EMHS 3(3.0) Operations Research: PR: STA 3032 and MAS 3105 with grades of “C” (2.0) or better in both. Introduction to linear, non-linear, and dynamic programming. Decision analysis, random processes, and queuing. Course covers theory through application and implementation of results.

ESE 4523C ECS-EMHS 3(2.2) Systems Simulation: PR: ESI 4312 with a grade of “C” (2.0) or better. Methods and procedures for simulating large-scale systems with digital computers. High level simulation languages are used. Spring.

ESE 4628C ECS-EMHS 3(2.2) Industrial Engineering Applications of Computers: CR: STA 3032 with a grade of “C” (2.0) or better. Survey of computer methods in industrial engineering practice. Topics include: spreadsheets, databases, expert systems, and project management. Lab exercises.

ESE 5219 ECS-EMHS 3(3.0) Engineering Statistics: PR: C.I. Discrete and continuous probability distributions, hypothesis testing, regression, nonparametric tests and ANOVA. Fall, Spring.

ESE 5227 ECS-EMHS 3(3.0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Occasional.

ESE 5236 ECS-EMHS 3(3.0) Reliability Engineering: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, maintainability, reliability standards (SOD), software reliability, reliability in design, and electronic systems reliability. Fall.

ESI 5306 ECS-EMHS 3(3.0) Operations Research: PR: STA 3032. Methods of operations research, including formulation for models and derivation of solutions; linear programming, network models, queueing theory, simulation, and nonlinear optimization techniques. Fall.

ESI 5359 ECS-EMHS 3(3.0) Risk Assessment and Management: PR: ESI 5219 or STA 3032. Problems and complexities involved in risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESI 5419C ECS-EMHS 3(2.2) Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practicing or analyses. Occasional.

ESI 5553 ECS-EMHS 3(3.0) Discrete System Simulation: PR: STA 3032. Methods for performing discrete systems simulation, including network modeling, will be treated. Spring.


ETI 4186 ECS-ECS 3(3.0) Applied Reliability: PR: ETI 3116. Practical application and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4448 ECS-ECS 3(3.0) Applied Project Management: PR: Junior Standing. Statement of work, activity decisions, timelines, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Fall.

ETI 4635 ECS-ECS 3(3.0) Technical Administration: PR: Junior Standing. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640 ECS-ECS 3(3.0) Operations Management for Technologists: PR: ETI 4448. Scheduling techniques (PERT, CPM) are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

EUAH 2000 CAH-HIST 3(3.0) Western Civilization I: A survey of western civilization from ancient to 1648. Fall, Spring.


EUAH 2001 CAH-HIST 3(3.0) Western Civilization II: A survey of western civilization from 1648 to present. May be taken before EUAH 2000. Fall, Spring.


EUAH 3122 CAH-HIST 3(3.0) Medieval Society and Civilization: PR: EUAH 2000 and 2001 or C.I. Fall, Spring.
The phenomenon of crusading in medieval Europe and conservation; liberalism, romanticism, republicanism and Realism:

EUH 3235 CAH-HIST 3(3,0) Renaissance and Reformation:
EUH 3142 CAH-HIST 3(3,0)

The Crusades:

EUH 4283 CAH-HIST 3(3,0) Cold War Homefronts:
EUH 4201 CAH-HIST 3(3,0)


EUH 4284 CAH-HIST 3(3,0) Fascism and Nazism in the Interwar Europe:
EUH 4201 CAH-HIST 3(3,0)

The History of Ancient Greece:

EUH 4400 CAH-HIST 3(3,0) The History of Ancient Greece:
EUH 4201 CAH-HIST 3(3,0)

EUH 4426 CAH-HIST 3(3,0) Sex and Gender in Antiquity:
EUH 4200 CAH-HIST 3(3,0)

EUH 4465 CAH-HIST 3(3,0) Hitler’s Third Reich:
EUH 4200 CAH-HIST 3(3,0)

EUH 4500 CAH-HIST 3(3,0) English History to 1485:
EUH 4200 CAH-HIST 3(3,0)

European history between 1919 and 1939.

EUH 4571 CAH-HIST 3(3,0) History of Russia to 1801:
EUH 4200 CAH-HIST 3(3,0)

EUH 4574 CAH-HIST 3(3,0) History of Russia:
EUH 4200 CAH-HIST 3(3,0)

EUH 4576 CAH-HIST 3(3,0) History of Russia in the 20th Century:
EUH 4200 CAH-HIST 3(3,0)

EUH 4582 CAH-HIST 3(3,0) 20th Century Russian Diplomatic History:
EUH 4200 CAH-HIST 3(3,0)

Women in European Society: From Medieval to Modern:

EUH 4610 CAH-HIST 3(3,0)

Women in European Society: From Medieval to Modern: PR: Junior standing or C.I. 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:

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914:
EUH 4200 CAH-HIST 3(3,0)

EUH 4620 CAH-HIST 3(3,0) European Great Powers:
EUH 4200 CAH-HIST 3(3,0)

EUH 4633 CAH-HIST 3(3,0) History of Communism in Europe:
EUH 4200 CAH-HIST 3(3,0)

EUH 4673H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World:
EUH 4200 CAH-HIST 3(3,0)

EUH 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939:
EUH 4200 CAH-HIST 3(3,0)

EUH 5285 CAH-HIST 3(3,0) Colloquium in Europe Since World War II:
EUH 4200 CAH-HIST 3(3,0)

EUH 5415 CAH-HIST 3(3,0) Rome and Early Christianity:
EUH 4200 CAH-HIST 3(3,0)

EUH 5419 CAH-HIST 3(3,0) Colloquium in Roman History:
EUH 4200 CAH-HIST 3(3,0)

EUH 5429 CAH-HIST 3(3,0) Colloquium in French History:
EUH 4200 CAH-HIST 3(3,0)

EUH 5546 CAH-HIST 3(3,0) Colloquium: British History:
EUH 4200 CAH-HIST 3(3,0)

EUH 5579 CAH-HIST 3(3,0) Colloquium in Soviet Russia:
EUH 4200 CAH-HIST 3(3,0)

EUH 5595 CAH-HIST 3(3,0) Colloquium in Russian Literature:
EUH 4200 CAH-HIST 3(3,0)

EUH 5905 CAH-HIST 3(3,0) European Imperialism:
EUH 4200 CAH-HIST 3(3,0)

EUH 5925 CAH-HIST 3(3,0) Colloquium in Medieval Europe:
EUH 4200 CAH-HIST 3(3,0)
UCF Courses and Descriptions

EVR 1001 COS-BIOL 3(3,0)
Introduction to Environmental Science: Environmental science and environmental systems in the context of real places, real people, real problems and real data. Fall.

EXP 3250 COS-PHY 4(3,2)

EXP 3304C COS-PHY 3(3,2)

EXP 3304C COS-PHY 3(3,2)

EXP 3404C COS-PHY 3(3,2)

EXP 3604C COS-PHY 4(3,2)

EXP 3604C COS-PHY 3(3,0)

EXP 4507C COS-PHY 3(1,4)

EXP 5208 COS-PHY 3(3,0)
Sensation and Perception: PR: Graduate status or senior standing or C.J. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PHY 3(3,0)
Human Factors and Aging: PR: Graduate standing, post bac, or senior standing with C.J. 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-PHY 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.J. Survey of human factors literature. Introduction to human factors and applications to human performance 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 course. Fall, Spring.

FIL 1007 CAH-SVAD 3(3,0)
Foundations of Story I: 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 filmmaking, including composition, motion picture image design, lighting styles, Fall, Spring. M&S fee $5.00

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)
Script Analysis: PR: or CR: 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 $5.00

FIL 2480 CAH-SVAD 3(3,0)

FIL 2481 CAH-SVAD 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability 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 1008 and FIL 3427C. PR or CR: 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 3025C CAH-SVAD 3(3,1)
Film Histories I: PR: FIL 2030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-SVAD 3(3,0)
Film History I: 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.

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)

FIL 3075C 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 3075C CAH-SVAD 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2030. Relation of film to artisic modernism centered on key common practices such as collage, projection, movement, composition, superimposition, and simultaneity. Spring.

FIL 3076C CAH-SVAD 3(3,1)
Film and Modernism II: PR: FIL 3035C 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 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.J. 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.J. 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)
Ducodrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.J. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. 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 non-fiction film. Fall, Spring.

FIL 3379C CAH-SVAD 3(3,6)
Advanced Documentary Production: PR: FIL 3363C and FIL 3845, or C.J. Processes and principles of advanced documentary production to capture on-going reality based situations. Occasional.

FIL 3379C CAH-SVAD 3(3,6)

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 3(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 3363C. 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 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 3720C CAH-SVAD 3(2,4) Introduction to Animation: PR: DIG 3561 and declared Experimental Animation specialization, or ART 3560 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 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 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 3824 CAH-SVAD 3(3,0) Italian Neo-Realist Cinema: PR: FIL 3036 or FIL 3037, or C.I. The Post World War II period of the Italian cinema, with emphasis on the work of Antonioni, Visconti, 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 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 authors: Truffaut, Godard, Resnais, 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 3830C and Film BFA, World Cinema, or Cinema Studies major. Intensive study of the work of selected filmmakers using multiple modes of criticism and author analysis to examine films. Occasional.


FIL 3860C CAH-SVAD 3(1,1) 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 3078C. Historical and Cultural relationships between photography and film. Occasional.

FIL 3862C CAH-SVAD 3(3,1) Narrative Structures in Film: PR: LIT 2110 and LIT 2120. Different structures of narrative in film and the ways in which narrative structures have been theorized and understood. Fall.


FIL 3871 CAH-SVAD 3(3,0) The American Film Artist: PR: FIL 2030. Analysis of a major filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee $5.00.

FIL 3876C CAH-SVAD 3(3,1) Experimental Cinema I: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-SVAD 3(3,1) Experimental Cinema II: PR: FIL 3876C. 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(3,1) Color and Lighting in Cinema: PR: FIL 3035C. Ideas and practices related to lighting and color, primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-SVAD 3(3,1) 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 4453C CAH-SVAD 3(3,2)
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: Film major, FIL 3427C, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee $5.00

FIL 4486C CAH-SVAD 3(3,1)
Directing for Film II: PR: Film BFA major and FIL 2460. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee $5.00

FIL 4487 CAH-SVAD 3(3,0)
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring.

FIL 4535C CAH-SVAD 3(3,1)
Sound Design for Film II: PR: FIL 3534. An understanding of how production mixers bring the film director’s vision to the screen. Spring.

FIL 4536 CAH-SVAD 3(3,0)
Sound Design III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4566C CAH-SVAD 3(3,2)
Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4573 CAH-SVAD 3(1,3)
Capstone II: PR: FIL 4543C. 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 4651 CAH-SVAD 3(3,0)
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)
Advanced Animation: PR: “C” or better in FIL 3734C and a satisfactory portfolio review or C.I. Advanced 3D modeling and animation techniques. Working in small production teams, students will create short animated segments using a high-end 3D animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $15.00

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)
Animation Workshop: PR: Animation majors only, FIL 3720C, FIL 3734C, FIL 4735C, and a satisfactory portfolio review or C.I. A production level course in computer animation that emphasizes all phases of the commercial production process, including storyboard, budgets, client relations, and post-production. May be repeated for credit. Fall, Spring. M&S fee $15.00

FIL 4830 CAH-SVAD 3(3,0)
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional. M&S fee $5.00

FIL 4830H CAH-SVAD 3(3,0)
Honors Motion Picture Genre: PR: Consent of Honors, Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.
FIN 4560C BA-FIN 4(3,1)  
Applied Portfolio Management I: PR: Finance major, FIN 4360C and FIN 3330 or equivalent, each 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.

FIN 4561C BA-FIN 4(0,1)  
Applied Portfolio Management II: PR: Finance major, FIN 4560C 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.

FIN 4604 BA-FIN 3(3,0)  
International Financial Management: PR: FIN 3400 or equivalent, open to majors or minors which require this course. 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.

FIN 4730 BA-FIN 3(3,0)  
Senior Financial Consulting I: PR: Finance major, FIN 3400C and FIN 3303, each with a "C" (2.0) or better; CR: FIN 4314, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0)  
Senior Financial Consulting II: PR: Finance major, FIN 4730 or with a "C" (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(0,3)  
Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75, and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(3,0)  
Education and Culture/Language Diversity: PR: Coreq: minimum overall GPA 2.5, 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.

FLE 4314 ED-TL&L 3(3,0)  
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.

FLE 4333 ED-TL&L 3(3,0)  
Foreign Language Teaching in the Secondary School: PR: EDCG 4410, proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills, testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-TL&L 3(3,0)  
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 K-6 classroom. Occasional.

FLE 5335 ED-TL&L 3(3,0)  
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.

FRE 1120C CAH-LANG 3(3,0)  
Elementary French Language and Civilization I: PR: FRE 1120 or equivalent. Introduction to French culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 4(3,1)  
Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,0)  
Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1)  
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2210 CAH-LANG 3(3,0)  
Intensive French Conversation: PR: One year of French or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

FRE 2270 CAH-LANG 8(16,10)  

FRE 3300 CAH-LANG 3(3,0)  
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French Literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0)  
Advanced Oral French Abroad: PR: FRE 2201 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout in the French speaking French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0)  
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0)  
Advanced French Grammar Abroad: PR: FRE 2200, FRE 2201 or equivalent. Students will be immersed throughout in the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0)  

FRE 3441 CAH-LANG 3(3,0)  

FRE 3760 CAH-LANG 3(3,0)  

FRE 3830 CAH-LANG 3(3,0)  
French Phonetics and Diction: PR: FRE 2200, 2 years of college level French or equivalent. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRE 4422 CAH-LANG 3(3,0)  
Advanced French Conversation: PR: FRE 3420. Advanced conversations on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4423 CAH-LANG 3(3,0)  

FRE 4471 CAH-LANG 6(6,0)  
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.

FRE 4500 CAH-LANG 3(3,0)  

FRE 4503 CAH-LANG 2(0,2)  
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.

FRE 4782 CAH-LANG 2(0,2)  

FRT 3140 CAH-LANG 3(3,0)  
French and Francophone Literary Masterworks 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.

FRT 3562 CAH-LANG 3(3,0)  
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.

FRT 4420 CAH-LANG 3(3,0)  
French Medieval Literature and Culture: PR: FRW 3810. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0)  
Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0)  
Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0)  
Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected stories designed to increase reading speed and develop analytical abilities. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0)  

FRW 3752 CAH-LANG 3(3,0)  
French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.

FRW 3760 CAH-LANG 3(3,0)  
FRW 3770 CAH-LANG 3(3,0)
Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0)
French Literary Texts and Analysis: PR: FRE 2201. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3,0)
20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Bazin, Beckett, Butor, Camus, Mauriac, Malraux and Sarrute. Occasional.


FRW 4324 CAH-LANG 3(3,0)
20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theater after WWI, such as the works of Beckett, Camus, Claudel, C碲udautou, lonesco, and Sarrute; different literary approaches will also be used. Occasional.

FRW 4380 CAH-LANG 3(3,0)

FRW 4440 CAH-LANG 3(3,0)

FRW 4532 CAH-LANG 3(3,0)

FRW 4552 CAH-LANG 3(3,0)

FRW 4820 CAH-LANG 3(3,0)
Stylistics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2212C RCHM-FOOD&LODG 4(3,3)
Techniques of Food Preparation: PR: HFT 1000. Basic principles and practice of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee $70.00

FSS 2284C RCHM-FOOD&LODG 4(3,3)
Food Preparation for Catered Events: PR: HFT 1000. Basic principles and practice of food preparation and menu development for catered events. Methods and procedures for on and off premise catered events. Fall, Spring. M&S fee $70.00

FSS 3008 RCHM-FOOD&LODG 3(3,0)
Culture and Cuisine: PR: HFT 1000 and FSS 2221C. The major historical and geographical developments that have affected the creation of the cuisines of the world. Occasional. M&S $35.00

FSS 3124 RCHM-FOOD&LODG 3(3,0)
Supply and Procurement Management: PR: HFT 1000, FSS 2221C, HFT 3283 and Junior standing. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Fall, Spring. M&S fee $45.00

FSS 3223C RCHM-FOOD&LODG 3(1,3)
Intermediate Techniques of Food Production: PR: HFT 1000 and FSS 2221C. An advanced food production course which provides the student the opportunity to develop skills in parlor, garde manager, garnishing, and convenience foods and services. Laboratory class. Occasional. M&S fee $70.00

FSS 4135 RCHM-FOOD&LODG 3(3,0)
Corporate Contract and Managed Services Organizations: PR: HFT 3265 and Junior standing. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-FOOD&LODG 3(3,1)
Catering and Banquet Organization: PR: HFT 1000, FSS 2221C, HFT 3265, 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

FSS 4405 CAH-LAS 3(3,0)
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.

GEB 1091C BA-BA 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2250 BA-MAR 3(3,0)
Foundations of Business: PR: 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-BA 1(1,0)
Career Search Strategy: PR: GEB 3003. Provides an in-depth understanding 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-BA 3(3,0)
Cornerstone: Professional Skills for Business: PR: Junior Standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3031L BA-BA 1(0,2)
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 3113 BA-BA 3(3,0)
Creativity and Entrepreneurship: PR: Sophomore Standing. Discovering and assessing opportunities, creating solutions, and formulating sustainable business models necessary to deliver benefits to society and markets. Fall, Spring.

GEB 3375 BA-FIN 3(3,0)
Introduction to International Business: PR: Junior standing and AGC 2071, ECO 2013 and ECO 2023, 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 AGC 2071, ECO 2013, and ECO 2023, 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 4110 BA-MAN 3(3,0)
Business Plan Preparation: PR: GEB 4111. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0)
New Venture Finance: PR: or CR: MAN 4802. Knowledge and hands-on processes in the accounting, financially modeling, and formulating a new venture from concept to exit. Fall, Spring.

GEB 4152 BA-BA 3(3,0)

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 evoke action from either the individual or small group. Fall, Spring.

GEB 4361 BA-FIN 3(3,0)
Business in the International Environment: PR: Finance major, FIN 3403C, MAR 3023, and MAN 3025, each with a “C” (2.0) or better. Provides an overall understanding of the nature, magnitude, and importance of the international business sector. Occasional.

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 4824 BA-BA 3(3,0)
Business Law in Sport & Entertainment: PR: SPB 3003 with a “C” (2.0) or better, and either FIN 2100 and MAR 3025, each with a “C” (2.0) or better or admission to a business major. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.

GEB 4934 BA-BA 0(0,1)
Current Topics in Business Administration: PR: Admission to the College of Business, and C.I. Guest lecturers 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 techniques applied 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 POS 2041 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(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 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 1121C CAH-LANG 4(3,1)
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

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 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)
Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.

GER 3760 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 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. Even Fall.

GER 3780 CAH-LANG 3(0,0)
German Phonetics and Diction: PR: GER 2240. The fundamental principles of German pronunciation. Occasional.

GER 4422 CAH-LANG 3(3,0)
Advanced German Grammar: PR: GER 3760, or any other 3000 level German course. An accelerated grammar course designed for advanced students of the German language. Occasional.

GER 4510 CAH-LANG 3(3,0)
Life and Culture in Nazi Germany: PR: C.I. Confrontation with the development of national socialism 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.

GER 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GER 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GER 3370 CAH-LANG 3(3,0)
Short Story: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GER 3480 CAH-LANG 3(3,0)
German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GER 4482 CAH-LANG 3(3,0)
German Children’s Literature: PR: GER 2200. A look into the history of German children’s literature with a concentration on works after World War II. Occasional.

GER 4531 CAH-LANG 3(3,0)
The Age of Goethe and Schiller: PR: GER 2201. This selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GER 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

GEO 5648 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate status or senior standing or C.I. The study of aging is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CS 1006C 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 siting studies. Odd Fall.

GEO 4035C ECS-CECE 3(2,2)
Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GEO 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including habitat site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 2(2,1)
Geology and its Applications: Geologic principles, applications, and hazards including the rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-SVAD 3(2,4)
Honors Introduction to Computer Art: PR: ART 2823 and Consent of Honors. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. With Honors content. Occasional. M&S fee $15.00

GRA 2101C CAH-SVAD 3(2,4)
Introduction to Computer Art: PR: ART 2823 or C.I. Priorly given to students whose major requires this course. The principles underlying the generation and display of graphical pictures by computer. Topics include graphical software packages and graphics systems. Fall, Spring.

GRA 2151C CAH-SVAD 3(2,4)
Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. Fall, Spring.

GRA 3102C CAH-SVAD 3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization or C.I. CR: GRA 3950. Techniques and methods for studio projects used in the graphic design industry. Fall. M&S fee $45.00

GRA 3112C CAH-SVAD 3(2,4)
Intermediate Graphic Design II: PR: GRA 3102C or C.I. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee $43.00

GRA 3202C CAH-SVAD 3(2,4)
Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring.

GRA 3747C CAH-SVAD 3(2,4)
Intermediate Illustration I: PR: ART 2201C, ART 2203C, ART 2301C, and successful portfolio review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. Fall. M&S fee $45.00
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 1000</td>
<td>GHC-MSP SERV</td>
<td>Hospitality Information Systems: PR: ECO 2013 or ECO 2023, and ECO 3200, MAC 1105, HFT 2254. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher burch building on computer literacy and operation knowledge. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 2500</td>
<td>RCM-HSP SERV</td>
<td>Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.</td>
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<tr>
<td>HFT 2750</td>
<td>RCM-TEA</td>
<td>The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles, responsibilities, size, structure, and history. Spring.</td>
</tr>
<tr>
<td>HFT 2843</td>
<td>RCM-FOOD&amp;LODG</td>
<td>Sanitation in the Food Service Industry: Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3263</td>
<td>RCM-TEA</td>
<td>Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing. Discussion of the topics integral to the successful management of restaurant and food service organizations. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3323</td>
<td>RCM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 3357</td>
<td>RCM-TEA</td>
<td>Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.</td>
</tr>
<tr>
<td>HFT 3370</td>
<td>RCM-TEA</td>
<td>Event Design, Production &amp; Technology: PR: HFT 1000, HFT 1000, and HFT 2500. Develop, plan, and organize golf tournaments of all types. Occasional.</td>
</tr>
<tr>
<td>HFT 3373</td>
<td>RCM-TEA</td>
<td>Event Design, Production &amp; Technology: PR: HFT 1000, HFT 1000, and HFT 3360. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.</td>
</tr>
<tr>
<td>HFT 3384</td>
<td>RCM-TEA</td>
<td>Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>RCM-HSP SERV</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 3443</td>
<td>RCM-TEA</td>
<td>Event Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.</td>
</tr>
<tr>
<td>HFT 3540</td>
<td>RCM-TEA</td>
<td>Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2750; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.</td>
</tr>
<tr>
<td>HFT 3654</td>
<td>RCM-TEA</td>
<td>Hospitality Franchising: PR: HFT 2254 or HFT 3263, HFT 2500, HFT 3431 and Junior standing. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Spring.</td>
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<tr>
<td>HFT 3673</td>
<td>RCM-TEA</td>
<td>Hospitality and Event Risk Management: PR: HFT 1000 and HFT 2750, or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.</td>
</tr>
<tr>
<td>HFT 3700</td>
<td>RCM-TEA</td>
<td>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-disciplinary industry composed of many sectors within both the private and public sectors. Fall, Spring.</td>
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<tr>
<td>HFT 3741</td>
<td>RCM-TEA</td>
<td>Meeting Management: PR: HFT 2750 and HFT 3519. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.</td>
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<tr>
<td>HFT 3770</td>
<td>RCM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 3785</td>
<td>RCM-TEA</td>
<td>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.</td>
</tr>
<tr>
<td>HFT 3792</td>
<td>RCM-TEA</td>
<td>Event Design and Production: PR: HFT 1000, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.</td>
</tr>
<tr>
<td>HFT 3798</td>
<td>RCM-TEA</td>
<td>Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.</td>
</tr>
</tbody>
</table>

HFT 4795 RCHM-TEA 3(3,0) 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, lodging, and evaluation. Fall, Spring.

HFT 4796 RCHM-TEA 3(3,0) International Events: PR: HFT 1000 and HFT 2750; or C.I. 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. Occasional.

HFT 4802 RCHM-TEA 3(3,0) 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 overall sales production, ensuring contracts, and marketing of catered events, including the financial impact, internal communication/documentation, and event oversight. Fall, Spring. M&S fee $45.00.

HFT 4861C RCHM-FOOD&LODG 3(3,1) Beverage Management: PR: HFT 1000, minimum age of 21 by the first day of class, and junior standing. The production of wine including the steps involved in the production, storing, marketing, and control of beverages in the hospitality industry. Fall, Spring. M&S fee $45.00.

HFT 4864 RCHM-FOOD&LODG 3(3,0) Seminar 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&S fee $45.00.

HFT 4865 RCHM-FOOD&LODG 3(3,0) Advanced Wine Management: PR: Minimum age of 21, HFT 3686 or HFT 4866C, or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee $70.00.

HFT 4866C RCHM-FOOD&LODG 3(3,1) Exploring Wines of the World: PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, grape production, and the menu selection of grape varieties used in making wine. Fall, Spring. M&S fee $70.00.

HFT 4894 RCHM-FOOD&LODG 3(3,0) International Gastronomy: PR: FSS 221C, HFT 1000, or C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Occasional.

HFT 4949 RCHM-RCHM 0-5(0,1-5) 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.

HIM 3006 HPA-HMI 3(3,0) Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of profession, release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIM 3116C HPA-HMI 4(3,2) Health Record Organization and Management: PR: HIM 3008 and acceptance into the upper-division limited access HIM program; or C.I. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4) Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HIM 3507 and HIM 3116C. Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

HIM 4226C HPA-HMI 5(3,4) Coding Procedures I: PR: HSC 3357 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM, DRGs, encoders. Fall, Spring.

HIM 4256C HPA-HMI 3(2,2) Coding Procedures II: PR: HSC 3357 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS, APCs; encoders. Fall.

HIM 4344C HPA-HMI 4(3,2) Health Information Department Management: PR: HIM 3161C; HSA 4180 or MAN 3025; or C.I. Personnel administration; budgeting; forms analysis; work distribution and simplification, equipment selection; ergonomics and space planning. Fall.

HIM 4508C HPA-HMI 3(2,2) Quality Management: PR: HSC 3357 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.

HIM 4656C HPA-HMI 3(2,2) Health Information Management Systems: PR: or CR: HIM 3008, HIM 4656C. Development of computerized information systems, management and patient care in the healthcare industry, systems analysis, system design and project management concepts. Fall, Spring.

HIM 4767 HPA-HMI 3(3,0) Professional Development and Issues in Health Information Management: PR: HIM 3161C, 4344C, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers. Spring.

HIM 4816C HPA-HP 3(1,4) Professional Practice Experience II: PR: HIM 3806C and CR: HIM 4226C, HIM 4256C, HIM 4344C, and HIM 4508C. Transcripting; coding; quality improvement; risk management; human resources; statistics; accrediting and licensing; revenue management cycle; medical staff organization. Fall, Spring.

HIM 4838 HPA-HMI 5(0,15) Management Affiliation: PR: or CR: HIM 4676 and HIM 4616C. Assignment to a selected health care facility serving in an administrative capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.

HIM 5118C HPA-HMI 4(3,1) Health Care Informatics and Information Technology: PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning and legal issues of informatics will be explored. Fall.

HIS 3402 CAH-HIST 3(3,0) History of Science: PR: EUH 2000 and EUH 2001 or C.I. Examines past and present science, scientific thought, and the relationship between science and society. Occasional.

HIS 3949 CAH-HIST 0(0,8) Cooperative Education in History: PR: Departmental permission required before registering. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.

HIS 4065 CAH-HIST 3(3,0) Public History: Principles & Techniques: PR: AMH 2020 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. Occasional.

HIS 4070 CAH-HIST 3(3,0) Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. Occasional.

HIS 4150 CAH-HIST 3(3,0) History and Historians: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall.
solving problems under uncertainty. The role of informatics

HSA 5258 HPA-HP 3(3,0)
CPT Coding for Health Services Administration: PR: HSC 650 or C.I. or health related field. Emphasis on developing skills to facilitate an understanding of CPT Coding process and the compliance issues relevant to the process. Occasional.

HSA 5436 HPA-HMI 3(3,0)
Foundations of Health Care Economics: PR: Admissions to HSA graduate school or C.I. Preparatory course for graduate students who are not prepared to take the required health care economics course. Fall.

HSA 5509 HPA-HMI 3(3,0)
Health Care Risk Management: PR: Admission to M.S. in Health Services Administration or C.I. This course examines the background, history and philosophy of health care risk management including clinical risks, malpractice, interpreting contracts and insurance and ethical decision making. Fall.

HSC 1931C HPA-HPA 2(1,1)
Foundations of Leadership: PR: LEAD Scholars in the College of Health & Public Affairs providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Occasional.

HSC 2921 HPA-HPA 2(2,0)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1931C, EGS 1036C, IDS 1040C, GSB 1091C or EDE 1000C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(3,0)
Medical Self Assessment: PR: Sophomore Standing. Development of clinical skills and understanding of one's health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(3,0)

HSC 3211 HPA-HP 3(3,0)
Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction Fall, Spring.

HSC 3432 HPA-HP 3(3,0)

HSC 3537 HPA-HP 3(3,0)
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-COM SC&DIS 3(3,0)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(3,0)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HMI 3(3,0)
Health Law: PR: HSA 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(3,0)
Professional Development in Health Care Professions: PR: ENC 1102 and Junior Standing. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements. Fall, Spring.

HSC 4158 HPA-HP 3(3,0)
Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications and contraindications, and the side effects of cardiopulmonary drugs class Fall.

HSC 4159 HPA-HP 2(2,0)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(3,0)
Community Health: 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.

HSC 4500 HPA-HP 3(3,0)
Physiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP 3(3,0)
Epidemiology of Chronic Diseases: PR: ZOO 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.

HSC 4553 HPA-HP 3(3,0)
Concepts in Pathophysiological Diagnosis: PR: HSC 4158 and standing Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

HSC 4555 HPA-HP 3(3,0)
Pathophysiology I: PR: ZOO 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.

HSC 4558 HPA-HP 3(3,0)
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 the digestive, hepatobiliary, nervous, and endocrine systems. Fall, Spring.

HSC 4564 HPA-HP 3(3,0)
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.

HSC 4572 HPA-HP 3(3,0)
Clinical Nutrition: PR: HUN 2201. Basic principles of both normal and medical nutrition therapy associated with chronic and chronic diseases of public health importance. Fall, Spring.

HSC 4562 HPA-HP 3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP 3(3,0)
Applied Health Research and Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Occasional.

HSC 5317 ED-EDP 3(3,0)
Health Methods: Teaching Strategies and Interventions; PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curricular tool to develop a comprehensive school health program. Occasional.
HUM 2020 CAH-PHIL 3(3,0) Encounter the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHIL 3(3,0) Humanities Traditions I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL 3(3,0) Honors Humanities Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL 3(3,0) Humanistic Tradition II: An interdisciplinary, multicultural study of Philosophy and the arts of the 20th century. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHIL 3(3,0) Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 3252 CAH-PHIL 3(3,0) Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 3255 CAH-PHIL 3(3,0) Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

HUM 3307 CAH-PHIL 3(3,0) Memory and Testimony: PR: HUM 2210 and HUM 2230 and Junior standing. Interdisciplinary exploration of personal and public memory, focusing on the significance of memory and testimony for our sense of self, family, community, culture, and nation. Odd Spring.

HUM 3320 CAH-PHIL 3(3,0) Contemporary Multicultural Studies: PR: HUM 2210 or C.I. Studies the confluence of diverse cultures making up North America in the information age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3326 CAH-PHIL 3(3,0) Theories of Sex and Gender in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Historical and contemporary theories of sex and gender relevant in interdisciplinary Humanities. Occasional.

HUM 3394 CAH-PHIL 3(3,0) Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. Occasional.

HUM 3401 CAH-PHIL 3(3,0) Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3419H CAH-PHIL 3(3,0) Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religious, intellectual, philosophical and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3423 CAH-PHIL 3(3,0) African Humanities: PR: HUM 2230, HUM 3320, or C.I. Contemporary art, culture, and philosophy in selected African countries. Occasional.

HUM 3431 CAH-PHIL 3(3,0) Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL 3(3,0) Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL 3(3,0) Latin American Humanities: PR: HUM 2210 or C.I. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3800 CAH-PHIL 3(3,0) Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 3805 CAH-PHIL 3(3,0) Critical Theory in the Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of interpreting technologies, texts, and practices, with emphasis on film, visual/performing arts, music, religion, and philosophy. Occasional.

HUM 3830 CAH-PHIL 3(3,0) Introduction to Digital Humanities: PR: Grade of “C” (2.0) or better required in one of the following: ENC 1101, ENC 1102, PHI 2100, HUM 2210, or HUM 2230 or C.I. Investigation of the application of digital tools to humanities questions, and to questions about contemporary life. Fall.

HUM 4301 CAH-PHIL 3(3,0) The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4330 CAH-PHIL 3(3,0) Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2100, PHI 2110, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performative, body and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4459 CAH-PHIL 3(3,0) American Cultural Studies in Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories and methods for understanding the interacting race, class, gender, migration, ability, and national identity in North America. Occasional.

HUM 4823 CAH-PHIL 3(3,0) Queer Theory in the Humanities: PR: HUM 2210 and HUM 2230 and Junior standing or C.I. Developments in queer theory. Challenge to research by scholars, activists, performers, and visual artists. Occasional.

HUM 4826 CAH-PHIL 3(3,0) Postcolonial Theory: PR: HUM 2200 and HUM 2230: Junior standing. Interdisciplinary overview of postcolonial philosophy, literature, film, art and cultural theory. Even Fall.

HUM 4931 CAH-PHIL 3(3,0) Key Figures in the Humanities & Cultural Studies: PR: HUM 2060 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 4933 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Humanities major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

HUM 4934 CAH-PHIL 3(3,0) Key Concepts in Humanities & Cultural Studies: PR: HUM 2060 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 5802 CAH-PHIL 3(3,0) Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL 3(3,0) Theories and Methods of the Humanities: PR: Senior undergraduate standing, or consent of the following: HUM 5252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical health, cultural diversity, interdisciplinary and interdisciplinatries and methods. Fall.

HUM 2201 HPA-HP 3(3,0) Fundamentals of Human Nutrition: Functions, roles, guidelines and requirements for nutrients. Includes digestion, absorption, nutrient interactions, effects of deficiencies or toxicities, sources for weight management. Emphasis is on prevention of disease. Fall, Spring.

HUM 5247 HPA-HP 3(3,0) Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.


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.

IDH 3101H BHC-HON 3(3,0) Honors Cultural Traditions of India: PR: Consent of Honors Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDH 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.

IDH 4030H BHC-HON 1(3,0) Honors Windows To The World: PR: Permission of Honors and IDH 1921H, 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 graduate school. Graded S/U. May be repeated for credit. Occasional.

IDS 1040C COS-COM 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD scholars in the College of Arts & Sciences providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

IDS 2042C COS-COS 2(1,1) Multidisciplinary: PR: Must have completed 2 of the following with a grade of B or better: IDS 1040C, GEB 1091C, HSC 1931C, EGS 1036C, EDG 1005, or EDF 1390C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. Occasional.
IDS 3150 GUST-INTERDISC 3(3,0) Foundations of Environmental Studies: PR: Junior standing, Interdisciplinary Course in Science, Math, or Social Science. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333 GUST-INTERDISC 3(3,0) World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of culture, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933 GUST-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 4204C 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, academia, 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 4315 COS-POLS 3(3,0) Global Perspectives: PR: ENC 1102 or POS 2041 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

IDS 4934 GUST-INTERDISC 3(3,0) Capstone Experience: PR: IDS 3933, Junior standing, 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. M&S fee $17.00.

IDS 5127 COM-BSBS 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.

IDS 5145 GRDST-INTERDIS 3(3,2) Interdisciplinary Course in Simulation: PR: Calculus, matrix algebra, probability and statistics, high level programming language. An interdisciplinary course on simulation with hands-on experience in discrete event modeling, continuous modeling and shared virtual world. May be repeated for credit. Occasional.

INP 3004 COS-PSYCH 3(3,0) Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in the workplace. Fall, Spring.

INP 3004H COS-PSYCH 3(3,0) Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors consent. Occasional.

INP 3141 COS-PSYCH 1-3(0-3,9) Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental, industrial, or educational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951 COS-PSYCH 3(3,10) Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced graduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4313 COS-PSYCH 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-PSYCH 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-PSYCH 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 behavior, engineering, 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. Contemporary global political topics from political development and income gap to gender issues and environmental challenges. Occasional.

INR 3250 COS-POLS 3(3,0) Politics of Pan-Africanism: PR: INR 1102 or C.I. Historical analysis of the emergence of Pan-Africanism from the eighteenth to the twenty-first century. Occasional.

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.-Africa relations. Occasional.

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 diplomatic practice. Diplomatic practices in the international arena. Spring.


INR 4035 COS-POLS 3(3,0) International Political Economy: PR: ENC 1102 or POS 2041 or C.I. An interdisciplinary study of the political, economic, and social processes that underlie and shape the world political economy. Occasional.

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 policy within developed and underdeveloped countries. Occasional.

INR 4060 COS-POLS 3(3,0) Wars of Cause: PR: ENC 1102 or POS 2041 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063 COS-POLS 3(3,0) The Cold War: PR: ENC 1102 or POS 2041 or C.I. Politics of U.S.-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4074 COS-POLS 3(3,0) Immigration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative political immigration, illegal immigrant, alien smuggling, and statelessness and their political/security impact. Occasional.

INR 4075 COS-POLS 3(3,0) Human Rights Policy: PR: ENC 1102 or POS 2041 or C.I. The political, social, economic, and cultural implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. Spring.

INR 4076 COS-POLS 3(3,0) Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. The political, social, economic, and cultural implications of global 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. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. 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) The Iran-Iraq 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, policy-making 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, including consideration of 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. Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116 COS-POLS 3(3,0) America's 21st Century Wars: PR: POS 2041 or C.I. The causes, conduct, and consequences of the US wars in Iraq and Afghanistan. Occasional.

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 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.
Informational Graphics: JOU 4211C COS-COMM 3(2,1) Designing news pages, including stories, headlines, and city, county and state government. grade of "C" (2.0) in JOU 3184C or JOU 3101. Reporting on a minimum grade of "C" (2.0) in JOU 2100C and a minimum of 2 times. In a team, under faculty supervision, and learn first-hand.

JOU 4213C COS-COMM 3(2,1) Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.

JOU 4224 COS-COMM 3(3,0) Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Magazine production, including writing and editing skills, and editorial requirements. Spring.

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 4308 COS-COMM 3(3,0) Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4340C COS-COMM 3(1,3) Online Journalism I: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. The development, impact and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional.

JOU 4341C COS-COMM 3(1,3) Online Journalism II: PR: JOU 4340C. Study, design, and development of online journalism materials. Occasional.

JOU 4342C COS-COMM 3(3,1) Multimedia Journalism: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C and MMC 3200, and Senior standing. Combining print and electronic technologies to transmit information to the public. Fall, Spring.

JOU 4700 COS-COMM 3(3,0) Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. Fall, Spring.

JPN 1120C CAH-LANG 4(3,1) Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture, through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall.


JPN 2200 CAH-LANG 3(3,1) Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims at aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

JPN 2201 CAH-LANG 3(3,1) Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(0,0) Japanese Cultural Studies Abroad: PR: JPN 1120C and JPN 1121C. Japanese culture through key elements of Japanese life and comprehensive exposure of various aspects of their material cultural heritage. Conducted in Japanese. Occasional.

JPN 3760 CAH-LANG 3(0,0) Advanced Japanese Civilization: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0) Trends of Judaism: PR: ENC 1101 and ENC 1102. Values, practices, and beliefs that define Judaism. Occasional.


JST 3120 CAH-JUD 3(3,0) Hebrew Scriptures: PR: ENC 1102, Junior standing. The Hebrew Bible (Old Testament, in translation) in historical, social, religious, cultural and literary contexts. Occasional.

JST 3121 CAH-JUD 3(3,0) Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qur’an documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(0,0) The Book of Job: PR: Jr standing, ENC 1102. A textual-thematic study of Book of Job in English translation, exploring the Book of Job as literature, theology and ethics. 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 relationship; the nature of man-woman interactions in ancient Israel. Occasional.

JST 3144 CAH-JUD 3(0,0) Dead Sea Scrolls: PR: Junior standing or C.J. The Dead Sea Scrolls, their literary and historical context, and significance. 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 historical context. 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(0,0) Identity and Genre: PR: ENC 1102 or C.J. 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 civilization of the Jewish people from the beginnings of Judaism in the biblical era through the Graeco-Roman and rabbinic periods. Fall.


JST 3417 CAH-JUD 3(3,0) Sephardi Jews: History, Culture, and Folklore: PR: ENC 1102. Study of Sephardi Jews (Jews originated 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.J. 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, Heschel, Borowitz, Solovechik, within 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 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 3551 CAH-JUD 3(3,0) The Holy and the Profane: The Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. Examines cultural, religious, and social processes from traditional Judaism to the beginning of secularism in 18th-19th century Europe by studying Jewish & Jewish Enlightenment. Occasional.


JST 3701 CAH-JUD 3(3,0) History of the Holocaust: A comprehensive study of the Holocaust from 1933-1945, discussing the persecution of German Jews and the annihilation of the Jews in Europe. Occasional.

JST 3751 CAH-JUD 3(3,0) Literature of the Holocaust: A study of the traumatic experience of the Holocaust in Europe as expressed and depicted in contemporary Jewish and Hebrew Literature. 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)
Building a Nation - the Challenges to and Accomplishments of the State of Israel: 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, hi-tech and higher education. Occasional.

LAE 3414 ED-TL&L 3(3,0)
Literature for Children: PR: Admission to an undergraduate 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 reading 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 3450 and LAE 3940. Special programs, strategies and materials for middle and secondary English Language Arts majors. Emphasis on individual needs of students. Fall.

LAE 4360 ED-TL&L 3(3,0)
English Instructional Analysis: PR: EDG 4410, EDI 4467, TSL 4080, and LAE 4464. CR: LAE 3432 and LAE 3940. Course objectives for a school curriculum and methods for teaching English as a second or foreign language. Materials which have special application for teaching English at the middle grades and high school. Fall, Spring.

LAE 4361 ED-TL&L 3(3,0)
Literacy Strategies for Middle and High School: PR: EDG 4410 or C.I. Theory, teaching strategies, and resources for effective middle and high school reading programs, to assist pre-service teachers to understand content reading. Fall, Odd 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 5195 ED-TL&L 3(3,0)
CWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CWP Summer Institute who will plan, practice and present intermediate level service to public schools. Occasional.

LAE 5295 ED-TL&L 1-3(1-3,0)
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 6415 or C.I. Designed to assist teachers and graduate students in understanding the middle level learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Fall, Spring.

LAE 5338 ED-TL&L 3(3,0)
Teaching Writing in Middle and High School: PR: EDG 6415 or C.I. Techniques and methods in teaching dialect, semantics, and to develop various grammars within the context of writing. Fall, Spring.

LAE 5346 ED-TL&L 3(3,0)
Methods of Teaching English Language Arts: PR: EDG 6415 and TSL 5670 or C.I or admission to Initial Teacher Professional Preparation certificate. Designed for alternative certification and Masters of Arts students to explore the strands, methods and materials related to school curriculum in teaching English. Fall, Spring.

LAE 5367 CAH-ENG 3(3,0)
English Composition and Literature for Teachers of Advanced Placement: PR: Graduate status or senior standing, and C.I. A two-week summer institute for secondary school teachers preparing to teach advanced placement courses. Occasional.

LAE 5415 ED-TL&L 3(3,0)
Children's Literature in Elementary Education: Survey of children's literature: criteria for selection according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curricula. Spring.

LAE 5465 ED-TL&L 3(3,0)
Literature for Adolescents: CR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

LAE 5495 ED-TL&L 3(3,0)
Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.

LAE 5496 ED-TL&L 3(3,0)
Disciplinary Literacy in the Content Areas: PR: Graduate standing. Designed to assist in understanding the adolescent reader and writer, this course will examine theory, strategies, resources, and implementation options of disciplinary literacy specifically in the content areas (Mathematics, Science, Social Studies, and other content areas). Spring.

LAH 3130 CAH-HIST 3(3,0)

LAH 3200 CAH-HIST 3(3,0)
Modern Latin America: PR: WOH 2022. Investigates the broader themes of Latin American history from independence to the present. Spring.

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EHU 2000 and 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

LAH 3470 CAH-HIST 3(3,0)
History of the Caribbean: PR: EHU 2000 and 2001 or C.I. History of Cuba, Puerto Rico, Dominican Republic, and Haiti from Pre-Columbian times to the present. Occasional.

LAH 4136 CAH-HIST 3(3,0)
Colonial Florida: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.

LAH 4461 CAH-HIST 3(3,0)

LAH 4480 CAH-HIST 3(3,0)

LAH 4503 CAH-HIST 3(3,0)
History of South America: PR: WOH 2022 or C.I. History of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. Occasional.

LAH 4512 CAH-HIST 3(3,0)

LAH 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. 1760-present). Occasional.

LAH 4742 CAH-HIST 3(3,0)
The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

LAH 4780 CAH-HIST 3(3,0)

LAH 5713 CAH-HIST 3(3,0)
Colloquium in U.S. Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze 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)
Latin American Popular Culture: PR: SPN 1121C or SPN 2200 or equivalent or C.I. Contemporary issues in Latin America including, among others, transnational events in culture, politics, education, and business. Fall, Spring.

LAS 3002 CAH-LAS 3(3,0)
Topics in Latin American Studies: PR: SPN 1121C or SPN 2200 or equivalent 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 3101 CAH-LAS 3(3,0)
Caribbean Experience: PR: ENC 1101 or C.I. Examines folklore and digital media of Latin American culture with a special focus on Mexico, the Caribbean, and Peru. Odd, Spring.

LAS 4023 CAH-LAS 3(3,0)
African Caribbean Experience: PR: ENC 1101 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.

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 2002 UGST-INTERDISC 2(2,0)

LDR 2262 UGST-INTERDISC 1(0,1)
Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. 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 role 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.
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 language acquisition, and semantics. Occasional.

LIN 3673 CAH-WRITE 3(3,0) Grammar & Advanced Prose Style: PR: ENC 1102. Build on fundamental principles of grammatical correctness by learning and practicing the techniques that today's expert writers use to increase sentence clarity and elegance. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0) Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS 3(3,0) Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.

LIN 3717 HPA-COM SC&DIS 3(3,0) Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0) History of the English Language: PR: Sophomore standing, and 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-WRITE 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 4616 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, kinesics, 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 4680 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 4680 CAH-ENG 3(3,0) Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.
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. Offered 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 topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 393I CAH-ENG 3(3,0) Topics in World Literature: PR: Grade of “C” (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. 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. 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 4233 CAH-ENG 3(3,0) Postcolonial Theoretical 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 relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(3,0) World Authors: PR: ENG 3014. 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 postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0) Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. 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, the 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: ENC 1102 and Junior Standing 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 4454 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENC 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 5387 CAH-ENG 3(3,0) Captives, Housewives, and Coquettes: PR: Graduate status or senior standing or C.I. Course considers early American women’s literature from 17th to 19th centuries. Occasional.

LIT 5389 CAH-ENG 3(3,0) Studies in Gender and Fiction Writing: PR: Graduate status or senior standing or C.I. Graduate study of gender’s implications for teaching and practice of fiction writing. Occasional.

LIT 5556 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theorists from “Feminist Critical Theories”. Occasional.

MAC 2227 COS-MATH 3(3,0) Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 2226. Spring.

MAC 2311C COS-MATH 3(1,3) College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1114C 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 development of triangle solution geometry. Preparies students for upper level mathematics. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2243 COS-MATH 3(3,0) Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a “C” (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conic, induction, binomial theorem. Introduction to limit concepts and logarithmic functions. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2223 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 functions of one independent variable, including applications to business analysis. Not open to students with credit in MAC 2223 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, or C.I. Differential and integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2223 or MAC 2311C. The “NC” grading policy applies to this course. Occasional.

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. Calculus, analytic geometry, limits, continuity, differentiation, algebraic and trigonometric functions; applications of derivatives; linearization and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2241. The “NC” grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: 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 2241 or MAC 2311C. With Honors Content. Fall, Spring.
MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: Grade of "C" (2.0) or better in MAC 2311C, or score of 4 or 5 on the AB Calculus Advanced Placement Exam, or permission of Honors. Differentiation and integration of exponential, logarithmic, 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 4 or 5 on the AB Calculus Advanced Placement Exam, and permission of Honors. Differentiation and integration of exponential, logarithmic, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. With Honors content. 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 content. Fall, Spring.

MAD 2040 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, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 4023 COS-MATH 3(3,0) Introduction to Combinatorics: PR: MAC 2312, and either MAD 3105 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.

MAD 4301 COS-MATH 3(3,0) Introduction to Graph Theory: PR: Either MHF 3302 or COT 3100C, or C.I. Graph theory; isomorphism, connectivity; traversability, matchings, factorizations; planarity, colorings, and Ramsey number. Spring.

MAD 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.

MAD 5205 COS-MATH 3(3,0) Graph Theory I: PR: MAD 4203, graduate standing or C.I. Connectedness, 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(3,1) 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 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: MAE 3310 with a "C" (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAE 4300 ED-TL&L 3(3,0) Math Curriculum and Assessment in Early Childhood: PR: EDG 4410, EEC 4027, CPE EEC-3490. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.


MAE 4360 ED-TL&L 4(2,2) Mathematics Instructional Analysis: PR: EDG 4410 and MAE 4634. CR: MAE 3940. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 4415 and TSL 2958, or admission to Initial Teacher Professional Preparation certificate. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status 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: Junior standing. Approved major or minor, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 3(3,0) Honors Management of Organizations: PR: Junior standing. Approved major or minor, and consent of Honors. Introduction to the theory and practice of managing formal organizations, including planning, organization theory, human behavior and control. Applicable to honors students. Spring.

MAN 3026 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: Either MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 3520 BA-MAN 3(3,0) Quality & Productivity Management: PR: GEB 3031 and MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4320 BA-MAN 3(3,0) Human Resource Recruitment and Selection: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: Management major; MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Occasional.

MAN 4532 BA-MAN 3(3,0) Introduction to Collaborative Design: PR: Senior standing and C.I. Business students will learn to engage 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: GEB 3031 and MAN 3025. The course exists as issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.
UCF Courses and Descriptions

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 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3031. Students study a strategic view of organizations and integrate and apply material learned in prior business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4802 BA-MAN 3(3,0) New Venture and Small Business Management: PR: GEB 3113 (or MAN 3025 & FIN 3403C), for students minoring in Technological Entrepreneurship the PR is GEB 4152. Legal, organization design, supply chain, and human resource challenges that affect small business success and growth. Fall, Spring.

MAN 4941 BA-MAN 3(0,3) Management Internship: PR: Management major, approval of instructor, and 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) 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.


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 Program director. 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 3462H COS-MATH 3(3,0) Honors Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.

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) Mathematical Modeling I: PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. An introduction to the study of mathematical modeling. Spring.


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 4171 COS-MATH 3(3,0) Optimization: PR: MAP 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) Ordinary Differential Equations II: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Systems of linear differential equations, introduction to numerical solutions, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions of differential equations. Occasional.

MAP 4341 COS-MATH 3(3,0) Introduction to Partial Differential Equations: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Introduction to second-order linear partial differential equations - heat, wave and Laplace equations, separation of variables in PDEs, Sturm-Liouville eigenvalue problems, Fourier series analysis and Green's functions, Laplace and Fourier transform methods. Occasional.

MAP 4342 COS-MATH 3(3,0) Partial Differential Equations II: PR: MAS 3105 or MAS 3106, and MAP 4341 Green's Functions, Integral Transforms, Laplace and Fourier transforms applied to heat, wave and potential equations, Bessel functions, Legendre functions, Froeder-Bessel series, PDEs in higher dimensions. Spring.

MAP 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2313, and MAP 2302, and COP 3223, and MAS 3105 or MAS 3106, or C.I. Numerical theory and practices used in solving ordinary differential equations and PDE. Covers Euler's method, multistep methods, Runge-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.

MAP 4384 COS-MATH 4(4,0) Numerical Methods for Computational Sciences: PR: PR: MAP 2302, and COP 3223, and MAS 3105 or MAS 3106, or C.I. Numerical methods of numerical computation and numerical analysis in linear algebra and differential equations; non-linear optimization, finite element methods, adaptive quadrature. Fall.

MAP 4484 COS-MATH 3(3,0) Mathematical Biology: 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: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics, protein folding. Occasional.

MAP 4934 COS-MATH 3(3,0) Topics in Applied Mathematics: PR: MAP 2302 and MAS 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAP 5117 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 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 for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(1,0) Linear and Nonlinear Waves I: PR: MAP 2302, and graduate standing or senior standing, or C.I. Equations of motion in incompressible and viscous fluids, energy equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 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 presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

MAR 3023 BA-MAR 3(3,0) Marketing: PR: Completion of each course in the Business common program prerequisites with a "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: 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 how firms create and communicate value in order to build and maintain customer relationships while benefiting the organization and its stakeholders. Fall, Spring.

MAR 3203 BA-MAR 3(3,0) Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. 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 3203H 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.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. 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: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAR 3023 with a "C" (2.0) or better, and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. Spring.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3403</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3503</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Consumer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3613</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3032 with a grade of C (2.0) or better or ECO 3411 with a grade of C (2.0) or better. Analytical tools and their application to marketing problems and decision making. Analytical, financial analysis, and acquisition/primary data through market research are emphasized. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3641</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contempory sources and applications of information concerning external forces impacting market decision making. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 3721</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Digital Media Marketing: PR: MAR 3023 with a grade of C (2.0) or better and completion of common program prerequisites and appropriate Major or Minor. Application of contemporary technology to marketing decision-making. Occasional.</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Entrepreneurial Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigation of marketing strategies and contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4156</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.</td>
</tr>
<tr>
<td>MAR 4231</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Retailing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.</td>
</tr>
<tr>
<td>MAR 4412C</td>
<td>BA-MAR</td>
<td>3(3,3)</td>
<td>Strategic Issues in Sales-Lecture: PR: Marketing major, admission to professional selling track, and completion of MAR 4415C with a C (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.</td>
</tr>
<tr>
<td>MAR 4415C</td>
<td>BA-MAR</td>
<td>3(3,3)</td>
<td>Advanced Professional Selling: PR: Marketing major and admission to professional selling track. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Fall.</td>
</tr>
<tr>
<td>MAR 4711</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Sport Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.</td>
</tr>
<tr>
<td>MAR 4712</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.</td>
</tr>
<tr>
<td>MAR 4715</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.</td>
</tr>
<tr>
<td>MAR 4803</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Marketing Management: PR: MAR 3023 and MAR 3015 each with a C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing services in industries, with particular emphasis on unique aspects of services marketing, the service marketing mix, and the implementation of services strategies. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4841</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning, organizing, implementing, monitoring and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4941</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.</td>
</tr>
<tr>
<td>MAR 4943</td>
<td>BA-MAR</td>
<td>3(3,0)</td>
<td>Contemporary Marketing Topics in Floridians: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Advanced topics in marketing topics of 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.</td>
</tr>
<tr>
<td>MAR 5145</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>Advanced Linear Algebra and Matrix Theory: PR: MAS 3010 or C.I. Linear spaces, subspaces, lines, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.</td>
</tr>
<tr>
<td>MAT 5311</td>
<td>COS-MATH</td>
<td>3(3,0)</td>
<td>Algebra I: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups, rings, ideals, actions, the class equation, Sylow theorems, Jordan-Holder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.</td>
</tr>
<tr>
<td>MAT 533C</td>
<td>COS-MATH</td>
<td>1(1,0)</td>
<td>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 emphasis on upper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>MCB 1000</td>
<td>COM-BSBS</td>
<td>3(3,0)</td>
<td>The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>COM-BSBS</td>
<td>3(3,0)</td>
<td>Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles, foundations, scientific methods of genetic engineered microbiology and biotechnology, and their applications in agriculture, environment and human health. Fall, Spring.</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>COM-BSBS</td>
<td>3(5,4)</td>
<td>General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structures and functions, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>COM-BSBS</td>
<td>3(5,5)</td>
<td>Honors General Microbiology: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of analytical skills in a separate laboratory and discussion section. With Honors consent. Fall, Spring. M&amp;S fee $53.00.</td>
</tr>
<tr>
<td>MCB 3020C</td>
<td>COM-BSBS</td>
<td>3(3,0)</td>
<td>Principles of Infectious Disease: PR: MCB 2004C, or C.I. 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.</td>
</tr>
<tr>
<td>MCB 3023</td>
<td>COM-BSBS</td>
<td>3(3,0)</td>
<td>Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.</td>
</tr>
<tr>
<td>MCB 3031L</td>
<td>COM-BSBS</td>
<td>1(0,3)</td>
<td>Pathogenic Microbiology Lab: CR: MCB 3023. Laboratory investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&amp;S fee $53.00.</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

MCB 3316H COM-BSBS 3(3,0)
Honors Biotechnology and Genetic Engineering Seminar: Pr: Permission of Honors. Prerequisites: 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.

MCB 4114C COM-BSBS 4(3,3)

MCB 4201 COM-BSBS 3(3,0)
Microbial Stress Response: Pr: MCB 3020C and PCB 3522. Examination of the molecular genetic mechanisms that bacterial and fungal pathogens use to adapt to changes in their environment. Fall.

MCB 4204 COM-BSBS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: Pr: MCB 3020C. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4207 COM-BSBS 3(3,0)
Infectious Processes: Pr: MCB 3020C. The infectious process and the response of host cells and tissues to infection. Fall.

MCB 4276 COM-BSBS 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.

MCB 4312 COM-BSBS 3(3,0)
Microbial Biotechnology: Pr: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, forensics; transgenic animals; patents and regulations. Fall.

MCB 4404 COM-BSBS 3(3,0)
Bacterial Genetics and Physiology: Pr: PCB 3522. Basic principles of microbial genetic analysis emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.

MCB 4410 COM-BSBS 3(3,0)
Cellular Metabolism: Pr: PCB 3522 or PCB 3023. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCB 4414 COM-BSBS 3(3,0)
Microbial Metabolism: Pr: BSC 3403. Interrelationships between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall. Spring.

MCB 4503C COM-BSBS 3(3,0)

MCB 4603 COM-BSBS 3(3,0)
Environmental Microbiology: Pr: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4720 COM-BSBS 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.

MCB 4721C COM-BSBS 4(2,4)
Methods in Biotechnology: Pr: BSC 3403C. Fluorescence and luminescence-based assays used in basic biotechnology, course for target validation. Occasional. M&S fee $70.00.

MCB 4920C COM-BSBS 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 highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MCB 5205 COM-BSBS 3(3,0)
Infectious Processes: Pr: MCB 3020C 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: MCB 3020C. 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)

MCB 5314 COM-BSBS 1(1,0)
Industrial Perspectives Seminar: Pr: Biotechnology MS students. Learning concepts of basic research and 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, HIV-1, current issues in viral research and genome replication and pathogenesis. Occasional.

MCB 5654 COM-BSBS 3(3,0)
Applied Microbiology: Pr: MCB 3020C or C.I. Microbial biochemistry of industrial processes including: economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-BSBS 4(2,4)
Methods in Biotechnology: Pr: Graduate standing. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in the pharmaceutical industry for target validation. Occasional. M&S fee $70.00.

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-PHY 3(3,0)
The Earth's Climate: History, physics and dynamics of the Earth's climate. Odd Spring.

MGF 1061 COS-MATH 3(3,0)
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, set theory, logic and graphs. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MNF 1079 COS-MATH 3(3,0)
Explorations in Mathematics: The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and ethics. Interactions between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall. Spring.

MHS 2330 ED-CFCS 3(3,0)
Career Planning: 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-CFCS 3(3,0)
Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, factors contributing to the development of stable and satisfying marriage, impact of divorce, premarital preparation and marital education. Occasional.

MHS 5005 ED-CFCS 3(3,0)
Introduction to the Counseling Profession: Pr: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-BSBS 3(3,3)
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. M&S 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. Even Spring.

MLS 3305B 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 2(3,2)
Clinical Parasitology: Pr: MCB 3020C, CHM 2210, PCB 3703C or C.I. 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: C.I. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00.

MLS 4505C COM-BSBS 3(3,0)
MLS 4550 COM-BSBS 4(2.6) 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 COM-BSBS 3(3.0) Advanced Clinical Chemistry I: PR: CHM 2210, PGC 3700C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fail.

MLS 4625L COM-BSBS 10(3.0) Advanced Clinical Chem I Lab: CR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fail. M&S fee $70.00

MLS 4630 COM-BSBS 3(3.0) Advanced Clinical Chemistry II: PR: CHM 2210, PGC 3700C or C.I. Correlation of laboratory tests to specific human disease states. Spring.

MLS 4830L COM-BSBS 4(0.8) Interpretive & Practical Clinical Chemistry: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. Fail.

MLS 4831L COM-BSBS 4(0.8) Interpretive & Practical Immunohematology: PR: Admission to the MLS program, MLS 4550, MLS 4505C. Instruction and practice of clinical chemistry laboratory procedures at an off-campus affiliated hospital/clinical site. Fail.

MLS 4832L COM-BSBS 4(0.8) Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Instruction and practice of clinical hematology laboratory procedures at an off-campus affiliated hospital/clinical site. Fail.

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/clinical site. Fail.

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 clinical 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; SPE 1608, SPE 1603C, COM 1000, or C.I. Legal rights and responsibilities of the mass media. Fall, Spring.


MMC 3420 COS-COMM 3(3.0) Mass Media Research Methods: PR: RTV or Ad-PR majors or permission of Mass Comm.minor. Theory and methods of research used by media professionals and academicians, focusing on radio-television and advertising-public relations research. Fall, Spring.

MMC 3630 COS-COMM 3(3.0) Social Media as Mass Communication: PR: Either SPE 1608, SPE 1603C, COM 1000, or C.I. Principles and practices of social media and its role in communicating to mass audiences. Occasional.

MMC 4263 COS-COMM 3(3.0) New Media Technologies: PR: Majors only, RTV 3200. An examination of the technologies impacting the communications media environment and society. Occasional.

MMC 4300 COS-COMM 3(3.0) International Media: PR: Junior standing or C.I. The student will analyze different communication systems from 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.

MMC 4411 COS-COMM 3(3.0) Ad-PR Campaigns: PR: Ad-PR majors only; ADV 3008 and PUR 4000 and either PUR 3100 or ADV 4101, and either PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Fall, Spring.

MMC 4602 COS-COMM 3(3.0) Contemporary Media Issues: PR: RTV 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.

MSS 1001C ECS-AROTCT 2(1.1) Foundations of Officerhood: Examines the unique duties and responsibilities of officers, organization and role of the Army, relation to Army fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. Fall.

MSS 1002C ECS-AROTCT 2(1.1) Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MSS 2101C ECS-AROTCT 2(1.1) Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MSS 2102C ECS-AROTCT 2(1.1) Leadership and Teamwork: Focusses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MSS 3201C ECS-AROTCT 4(3.1) Leadership and Problem Solving: PR: Junior standing. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MSS 3202C ECS-AROTCT 4(3.1) Leadership and Ethics: PR: MLS 3201C. Focuses on leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies principles and techniques of effective written and oral communication. Spring.

MSS 4301C ECS-AROTCT 4(3.1) Leadership and Management: PR: MLS 3502C. Discuss staff organization, functions, and processes, analyze counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MSS 4302C ECS-AROTCT 4(3.1) Officerhood: PR: MLS 4301C. 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.

MTG 4212 COS-MATH 4(4.0) Modern Geometries: PR: MAC 2311C and MHF 3302. Sets of axioms and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 2450</td>
<td>CAH-MUSIC Woodwind Techniques I</td>
<td>PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.</td>
</tr>
<tr>
<td>MUE 2460</td>
<td>CAH-MUSIC Brass Techniques</td>
<td>PR: MUED major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.</td>
</tr>
<tr>
<td>MUE 2470</td>
<td>CAH-MUSIC Percussion Techniques</td>
<td>PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring.</td>
</tr>
<tr>
<td>MUE 2471</td>
<td>CAH-MUSIC Percussion Techniques II</td>
<td>PR: MUE 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today’s instrumental music teachers. Odd Spring.</td>
</tr>
<tr>
<td>MUE 2480</td>
<td>CAH-MUSIC Woodwind Techniques II</td>
<td>PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind or Techniques I, with emphasis on double reeds. Occasional.</td>
</tr>
<tr>
<td>MUE 2490</td>
<td>CAH-MUSIC Technology in Music Education</td>
<td>PR: MUE 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.</td>
</tr>
<tr>
<td>MUE 3451</td>
<td>CAH-MUSIC Woodwind Techniques II</td>
<td>PR: MUE 2450, MUED major, Junior standing or C.I. Continuation of Woodwind or Techniques I, with emphasis on double reeds. Occasional.</td>
</tr>
<tr>
<td>MUE 3693</td>
<td>CAH-MUSIC Music Internship I</td>
<td>PR: MUED major or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring.</td>
</tr>
<tr>
<td>MUE 3942</td>
<td>CAH-MUSIC Music Internship II</td>
<td>PR: MUE 3333, EDES 4410, TSL 4098, 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.</td>
</tr>
<tr>
<td>MUE 4311</td>
<td>CAH-MUSIC Elementary School Music Methods</td>
<td>PR: Junior standing, MUED major Organization and administration of instruction for comprehensive music education, K-6; instructional planning, techniques, and materials for elementary music education. Fall.</td>
</tr>
<tr>
<td>MUE 4321</td>
<td>CAH-MUSIC Secondary Choral Methods I</td>
<td>PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
</tr>
<tr>
<td>MUE 4331</td>
<td>CAH-MUSIC Secondary Instrumental Methods II</td>
<td>PR: MUE 2040 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
</tr>
<tr>
<td>MUE 4341</td>
<td>CAH-MUSIC Secondary Choral Methods II</td>
<td>PR: MUE 3331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.</td>
</tr>
<tr>
<td>MUE 4351</td>
<td>CAH-MUSIC Music and Students with Special Needs</td>
<td>PR: MUE 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.</td>
</tr>
<tr>
<td>MUE 4394</td>
<td>CAH-MUSIC Music Internship II</td>
<td>PR: MUE 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.</td>
</tr>
<tr>
<td>MUE 5384C</td>
<td>CAH-MUSIC K-12 Music Methods</td>
<td>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.</td>
</tr>
<tr>
<td>MUE 5921</td>
<td>CAH-MUSIC Music Education Workshop</td>
<td>PR: Graduate standing or C.I. Variable 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.</td>
</tr>
<tr>
<td>MUG 3104</td>
<td>CAH-MUSIC Basic Conducting</td>
<td>PR: MUP 1122 or C.I. Fundamental techniques and practice in conducting. Fall.</td>
</tr>
<tr>
<td>MUG 3202</td>
<td>CAH-MUSIC MUSIC VAR(VAR,VAR) Choral Conducting and Materials</td>
<td>PR: MUG 3202. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Spring.</td>
</tr>
<tr>
<td>MUG 3302</td>
<td>CAH-MUSIC Music History and Literature II</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. An in-depth examination of Western European music from the nineteenth century. Odd Fall.</td>
</tr>
<tr>
<td>MUH 2017</td>
<td>CAH-MUSIC Survey of Rock Music</td>
<td>PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content Even Fall.</td>
</tr>
<tr>
<td>MUH 2017H</td>
<td>CAH-MUSIC Honors Survey of Rock Music</td>
<td>PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content Even Fall.</td>
</tr>
<tr>
<td>MUH 2019</td>
<td>CAH-MUSIC American Popular Music, 1840s-present</td>
<td>PR: Graduate standing in Music or C.I. Western Art Music from c. 1900 to the present. Occasional.</td>
</tr>
<tr>
<td>MUH 2021</td>
<td>CAH-MUSIC Survey of Country Music</td>
<td>PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content Even Fall.</td>
</tr>
<tr>
<td>MUH 2071C</td>
<td>CAH-MUSIC World Music Survey and Performance</td>
<td>PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content Even Fall.</td>
</tr>
<tr>
<td>MUH 3211</td>
<td>CAH-MUSIC Music History and Literature I</td>
<td>PR: MUH 2040 and MUE 2042. History of Western European art music from Antiquity to 1750. Fall, Spring.</td>
</tr>
<tr>
<td>MUH 3212</td>
<td>CAH-MUSIC Music History and Literature II</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. Western Art Music from c. 1750 to present. Fall, Spring.</td>
</tr>
<tr>
<td>MUH 4322</td>
<td>CAH-MUSIC Medieval and Renaissance Music</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 450-1600. Even Fall.</td>
</tr>
<tr>
<td>MUH 4341</td>
<td>CAH-MUSIC Music of the Baroque</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.</td>
</tr>
<tr>
<td>MUH 4391</td>
<td>CAH-MUSIC Eighteenth-Century Music</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. Music and culture of Western Europe in the era c. 1700-1830. Even Fall.</td>
</tr>
<tr>
<td>MUH 4361</td>
<td>CAH-MUSIC Music of the 19th Century</td>
<td>PR: MUH 3211 and MUH 3212 or C.I. An in-depth examination of Western European art music from the nineteenth century. Odd Fall.</td>
</tr>
<tr>
<td>MUH 4371</td>
<td>CAH-MUSIC Music Since 1900</td>
<td>PR: MUH 3211, MUH 3212, or C.I. Western art music since 1900. Odd Spring.</td>
</tr>
<tr>
<td>MUH 4814</td>
<td>CAH-MUSIC Jazz Styles and Analysis</td>
<td>PR: MUG 3202 and C.I. A study of jazz music and culture of Western Europe in the era c. 1700-1830. Even Fall.</td>
</tr>
<tr>
<td>MUH 5326</td>
<td>CAH-MUSIC Medieval and Renaissance Music</td>
<td>PR: Graduate standing in music education or C.I. Western Art Music of the 19th Century. Odd Fall.</td>
</tr>
<tr>
<td>MUH 5345</td>
<td>CAH-MUSIC Music of the Baroque</td>
<td>PR: Graduate standing in 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.</td>
</tr>
<tr>
<td>MUH 5365</td>
<td>CAH-MUSIC Music of the 19th Century</td>
<td>PR: Graduate standing in Music or C.I. Western Art Music of the 19th Century. Odd Fall.</td>
</tr>
<tr>
<td>MUH 5375</td>
<td>CAH-MUSIC Music Since 1900</td>
<td>PR: Graduate standing in Music Education or C.I. Western Art Music from c. 1900 to the present. Occasional.</td>
</tr>
<tr>
<td>MUH 5665</td>
<td>CAH-MUSIC Development of Opera</td>
<td>PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.</td>
</tr>
<tr>
<td>MUH 5816</td>
<td>CAH-MUSIC Jazz Styles and Analysis</td>
<td>PR: Graduate standing or C.I. Advanced study of historical style periods and master artists in jazz music. Odd Fall.</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>CAH-MUSIC Enjoyment of Music</td>
<td>PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>CAH-MUSIC Evolution of Jazz</td>
<td>PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content Even Fall.</td>
</tr>
</tbody>
</table>
UFC Courses and Descriptions

MUL 2720 CAH-MUSIC  
Music of the World:  Music in cross-cultural context; Relation of music to religion and society. Fall, Spring.

MUL 2721 CAH-MUSIC  
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  
Contemporary Popular Music:  PR: MUL 2010 or MUL 3112 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC  
Piano Literature II:  PR: Major in Music or C.I. Survey of the literature of the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC  

MUL 3463 CAH-MUSIC  

MUL 3602 CAH-MUSIC  
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  

MUL 4438 CAH-MUSIC  
Guitar Literature and Pedagogy:  PR: MVS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC  

MUL 4444 CAH-MUSIC  

MUL 4552 CAH-MUSIC  
Band Literature:  PR: MUL 3112 and MUL 2014, or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Fall.

MUL 4643 CAH-MUSIC  
Choral Literature:  PR: “C” (2.0) or better in MUL 3211 and MUH 3321, or C.I. Choral music from its beginnings to the present with consideration of historical perspective, genres, styles, and performance practice, major composers, and representative works. Fall.

MUL 5436 CAH-MUSIC  
Guitar Literature and Pedagogy:  PR: Graduate standing in Music or C.I. Survey of significant repertoire and pedagogy for classical guitar. Odd Spring.

MUL 5439 CAH-MUSIC  
String Literature and Pedagogy:  PR: Graduate standing in Music or C.I. Study of string literature from the Baroque period to the 20th century, along with prominent pedagogical principles. Odd Fall.

MUL 5447 CAH-MUSIC  
Woodwind Literature and Pedagogy:  PR: Graduate standing in Music or C.I. Major works written for woodwind instruments, as well as the study of the basic concepts and techniques fundamental to teaching woodwind instruments. Odd Spring.

MUL 5448 CAH-MUSIC  
Brass Literature and Pedagogy:  PR: Graduate standing in Music or C.I. Important brass repertoire, study of materials and a review of teaching techniques for artistic brass performance. Even Fall.

MUL 5555 CAH-MUSIC  
Band Literature:  PR: Graduate standing or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Occasional.

MUL 5645 CAH-MUSIC  
Choral Literature:  PR: Graduate standing or C.I. Survey of choral music from its beginnings to the present with consideration of historical perspective, genres, styles and performance practice; major composers and representative works. Occasional.

MUM 5806 CAH-MUSIC  
Performing Arts Management:  PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC  
Percussion/Mallet Ensemble:  PR: C.I. Preparation and performance of music written with mallets. May be repeated for credit. Fall, Spring. M&S fee $30.00

MUN 3113 CAH-MUSIC  
Marching Band:  PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $37.00

MUN 3132L CAH-MUSIC  
Concert Band:  PR: C.I. Preparation and performance of music arranged for steel drum band. May be repeated for credit. Fall. M&S fee $20.00

MUN 3133 CAH-MUSIC  
Symphonic Band:  PR: Open to all students by audition. Auditioned performance ensemble that presents multiple concerts each semester and performs a variety of musical literature for winds and percussion. Fall, Spring. M&S fee $20.00

MUN 3143 CAH-MUSIC  
Wind Ensemble:  PR: Open to all students by audition. Study and performance of music for wind ensembles and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3283 CAH-MUSIC  
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  
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  
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  
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  
Woodwind Ensemble:  PR: C.I. Open to all students. Study and performance of music for woodwind ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC  
Guitar Ensemble:  PR: Open to all graduate students by audition. Study and performance of music written for guitar. May be repeated for credit. Odd Fall. M&S fee $20.00

MUN 3443 CAH-MUSIC  
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 $20.00

MUN 4444 CAH-MUSIC  
Percussion Ensemble:  PR: C.I. Preparation and performance of music for percussion ensemble. May be repeated for credit. Fall, Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC  
Flute 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 3483 CAH-MUSIC  
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  
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  
Jazz Ensemble:  PR: C.I. Open to all students by audition. Study and performance of music for small jazz combos, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC  
Jazz Combo:  PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3813 CAH-MUSIC  
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  
Early Music Ensemble:  PR: C.I. Study and performance of pre-classical music. May be repeated for credit. Fall, Spring. M&S fee $5.00

MUN 5125 CAH-MUSIC  
Concert Band:  PR: Open to all graduate students by audition. Study and performance of music for wind ensembles and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5145 CAH-MUSIC  
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. 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 Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small ensemble. May be used in the degree program a maximum of 5 times. Occasional. 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

MUS 2360C CAH-MUSIC  3(2,2)
Introduction to Music Technology: PR: Music major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CDs, and the Internet. Fall, Spring. M&S fee $16.00

MUS 3254 CAH-MUSIC  2(2,0)

MUS 3255 CAH-MUSIC  2(2,0)
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC  0(1,0)
Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC  3(3,0)
Music Business and Industry: PR: MUS 2360C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Fall.

MUS 4674 CAH-MUSIC  3(3,0)
Health and Wellness for the Performing Musician: PR: MUS 2360C or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, & pedagogic applications. Even Spring.

MUS 4900 CAH-MUSIC  3(3,0)
Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded SU. Occasional.

MUS 4905 CAH-MUSIC  1-4(1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC  0(1,0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded SU. May be used in the degree program a maximum of 2 times. Fall, Spring.

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. Special topics of study and research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUT 1121 CAH-MUSIC  4(2,3)
Music Theory and Musicianship I: PR: MUT 1104 or C.I. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC  4(2,3)
Music Theory and Musicianship II: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2125 CAH-MUSIC  4(2,3)
Music Theory and Musicianship III: PR: MUT 1122 or C.I. Continuation of MUT 1122. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC  4(2,3)
Music Theory and Musicianship IV: PR: MUT 2125 or C.I. Continuation of MUT 2126. Studies in music theory, both written and oral skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC  3(3,0)
Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC  3(3,0)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3923 CAH-MUSIC  3(0,3)
Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC  1(1,0)
Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 5311 CAH-MUSIC  3(3,0)

MUT 4401 CAH-MUSIC  3(3,0)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC  3(3,0)
Analysis of Twentieth-Century Music: PR: MUT 2127 or equivalent. Techniques of analysis for various styles of twentieth-century music. Odd Fall.

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(3,0)
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)
Senior Trumpet: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trumpet. Intended for non-major students. May be used for credit. Fall, Spring.
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) Secondary Trombone: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in trombone. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1214 CAH-MUSIC 1(0,1) Secondary Euphonium: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in euphonium. Intended for non-music majors. May be repeated for credit. Fall, Spring.

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. Even 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.

MVB 2424 CAH-MUSIC 2(1,1) Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC 2(1,1) Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC 2-3(1,1) Trumpet III: PR: MVB 2421. Continued 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.

MVB 3432 CAH-MUSIC 2-3(1,1) 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.

MVB 3433 CAH-MUSIC 2-3(1,1) Trombone III: PR: MVB 2423 and competence determined by faculty jury. Continued study of performance skills of the trombone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC 2-3(1,1) Euphonium III: PR: MVB 2424 and competence determined by faculty jury. Continued 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.

MVB 3435 CAH-MUSIC 2-3(1,1) Tuba III: PR: MVB 2425 and competence determined by faculty jury. Continued study of performance skills of the tuba, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4441 CAH-MUSIC 2-3(1,1) 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.

MVB 4442 CAH-MUSIC 2-3(1,1) French Horn IV: PR: MVB 3432 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.

MVB 4443 CAH-MUSIC 2-3(1,1) Trombone IV: PR: MVB 3433 and competence determined by faculty jury. Continued performance study of the trombone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4444 CAH-MUSIC 2-3(1,1) Euphonium IV: PR: MVB 3434 and competence determined by faculty jury. Continued performance study of the euphonium, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 4445 CAH-MUSIC 2-3(1,1) Tuba IV: PR: MVB 3435 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.

MVJ 1010 CAH-MUSIC 2(1,0) Jazz Piano I: PR: Music major or C.I. Scale studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz piano skills. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVJ 1213 CAH-MUSIC 2(1,0) Jazz Guitar I: PR: Music major or C.I. Scales, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1214 CAH-MUSIC 2(1,0) Jazz Bass I: PR: Music major or C.I. Basic Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1220 CAH-MUSIC 2(1,0) Jazz Piano II: PR: MVJ 1010. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1222 CAH-MUSIC 2(1,0) Jazz Guitar II: PR: MVJ 1213. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224 CAH-MUSIC 2(1,0) Jazz Bass II: PR: MVJ 1214. Continuation of MVJ 1010. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz bass skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2229 CAH-MUSIC 2(1,0) Jazz Drum Set III: PR: MVJ 1219. Continuation of MVJ 1219. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3230 CAH-MUSIC 3(1,1) Jazz Drum Set IV: PR: MVJ 2220. Continuation of MVJ 2220. Scale studies, arpeggios, chord voicings, and other techniques included in progressive jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3233 CAH-MUSIC 3(1,1) Jazz Drum Set V: PR: MVJ 2221. Continuation of MVJ 2221. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339 CAH-MUSIC 3(1,1) Jazz Drum Set III: PR: MVJ 2222. Continuation of MVJ 2222. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3234 CAH-MUSIC 3(1,1) Jazz Bass III: PR: MVJ 2222. Continuation of MVJ 2222. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4240 CAH-MUSIC 4(1,1) Jazz Piano IV: PR: MVJ 3230. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz piano skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243 CAH-MUSIC 4(1,1) Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3233. Scales, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4244 CAH-MUSIC 4(1,1) Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3234. Advanced Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4341 CAH-MUSIC 4(1,1) Jazz Drum Set IV: PR: MVJ 4338. Continuation of MVJ 4338. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350C CAH-MUSIC 2(1,1) Jazz Piano V: PR: Audition. Graduate standing or senior standing. Continuation of MVJ 4338. Study of jazz piano literature, style, and techniques. May be used in the degree program a maximum of 3 times. Fall, Spring.
MVK 5353C CAH-MUSIC 2,(1) 
Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MJK 5354C CAH-MUSIC 2,(1) 
Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MJK 5359C CAH-MUSIC 2,(1) 
Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVK 1111 CAH-MUSIC 10,(0,2) 
Class Piano I: Class instruction for beginning piano students with open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112 CAH-MUSIC 10,(0,2) 
Class Piano II: PR: MVK 1111, Music major, or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1211 CAH-MUSIC 10,(0,2) 

MVK 1411 CAH-MUSIC 2,(1) 
Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121 CAH-MUSIC 10,(0,2) 
Class Piano III: PR: MVK 1112, Music major, or C.I. Continuation of MVK 1112. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2221 CAH-MUSIC 10,(0,2) 
Class Piano IV: PR: Music major. MVK 2121 or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2421 CAH-MUSIC 2,(1) 
Piano II: PR: MVK 1411 and competence determined by faculty jury. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVK 3431 CAH-MUSIC 2-3,(1) 
PIANO III: PR: MVK 2421 and competence determined by faculty jury. Continued study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4441 CAH-MUSIC 4,(1) 
PIANO IV: PR: MVK 3431 and competence determined by faculty jury. Intensive advanced performance study of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 1411 CAH-MUSIC 1,(1) 
Violin I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1412 CAH-MUSIC 2,(1) 
Viola I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1413 CAH-MUSIC 2,(1) 
Cello I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1414 CAH-MUSIC 2,(1) 
Base I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1415 CAH-MUSIC 2,(1) 
Harp I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 1416 CAH-MUSIC 2,(1) 
Guitar I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVS 2421 CAH-MUSIC 2,(1) 
Violin II: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVS 2422 CAH-MUSIC 2,(1) 
Viola II: PR: MVS 1412 and competence determined by faculty jury. Continuation of MVS 1412. May be repeated for credit. Fall, Spring.

MVS 2423 CAH-MUSIC 2,(1) 
Cello II: PR: MVS 1413 and competence determined by faculty jury. Continuation of MVS 1413. May be repeated for credit. Fall, Spring.

MVS 2424 CAH-MUSIC 2,(1) 
Bass II: PR: MVS 1414 and competence determined by faculty jury. Continuation of MVS 1414. May be repeated for credit. Fall, Spring.

MVS 2425 CAH-MUSIC 2,(1) 
Harp II: PR: MVS 1415 and competence determined by faculty jury. Continuation of MVS 1415. May be repeated for credit. Fall, Spring.

MVS 3431 CAH-MUSIC 2-3,(1) 
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3,(1) 
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3,(1) 
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued 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) 
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued 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) 
Harp III: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills 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) 
Guitar II: PR: MVS 3432 and competence determined by faculty jury. Continued 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.

MVS 4346 CAH-MUSIC 4,(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.

MVS 4441 CAH-MUSIC 4,(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.
MVW 4441 CAH-MUSIC  2(1,1)
Fall,Spring.
Oboe II: PR: MVW 2422 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC  2(1,1)
Fall,Spring.
Oboe III: PR: MVW 2422 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC  2(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC  2(1,1)
Fall,Spring.
Clarinet IV: PR: MVW 3435 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC  2(1,1)
Fall,Spring.
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4451 CAH-MUSIC  2(1,1)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 4452 CAH-MUSIC  2(1,1)
Bassoon IV: PR: MVW 3435 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4453 CAH-MUSIC  2(1,1)
Clarinet V: PR: MVW 3435 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4454 CAH-MUSIC  2(1,1)
Bassoon V: PR: MVW 3434 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4455 CAH-MUSIC  2(1,1)
Saxophone V: PR: MVW 3434 and competence determined by faculty jury. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5431 CAH-MUSIC  2-3(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 expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5441 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.

MVW 5442 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.

MVW 5451 CAH-MUSIC  2(1,0)
Voice VI: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the voice, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
UCF Courses and Descriptions

NGR 5003L CON-NURS 1(0.1) Advanced Health Assessment and Diagnostic Reasoning (Lab); PR: or CR: NGR 5141; CR: NGR 5003. 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 RN-BSN Graduated SU. May be used in the degree program a maximum of 2 times. Fall, Spring. M&S fee $45.00

NGR 5090 CON-NURS 3(3,0) Urgent Care for the Advanced Practice Nurse: PR: NGR 6240 or C.I. Advanced practice evaluation and management of clients in urgent care settings. Occasional.

NGR 5141 CON-NURS 3(3,0) Pathophysiological Bases for Advanced Nursing Practice: PR: Admission to M.S. in Nursing or Doctor of Nursing Practice program or C.I. Critical examination of the physiological and pathophysiological mechanisms affecting individuals. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5638 CON-NURS 3(3,0) Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Examination and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5660 CON-NURS 3(3,0) Health Disparities: Issues and Strategies for Advanced Practice Nurses: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.

NGR 5690 CON-NURS 3(3,0) Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of 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.

NGR 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.

NGR 5745 CON-NURS 1(1.0) Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

NGR 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.

NGR 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.

NGR 5883 CON-NURS 1(1.0) Cultural, Legal, Ethical, and Political Issues of Advanced Practice Nursing: PR: Admission to MSN program or C.I. Examine legal, ethical and political issues related to advanced practice nursing. Fall, Spring.

NGR 5884 CON-NURS 3(3,0) Legal and Professional Behavior in Advanced Practice Nursing: 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.

NGR 5891 CON-NURS 1(1.0) Health Care Systems, Policy and Health Professionals: PR: Admission to the MSN program or C.I. Examine social responses to health and illness, health care systems and policies and the role of advanced practice nurses. Fall, Spring.

NGR 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.

NSP 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.

NSP 4335 CON-NURS 3(3.0) Nursing Care of the High-Risk Newborn: PR: Admission to BSN program; concurrent enrollment 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.

NSP 4425 CON-NURS 3(3.0) Women's Health Issues: PR: ENC 1102, Junior standing, or C.I. Factors and conditions impacting the health of women. May be repeated for credit. Fall.

NSP 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.

NSP 4550 CON-NURS 3(3.0) Family and Interpersonal Violence: Perspectives for Nurses: PR: PSY 2012 or SYG 2000, and enrollment in a nursing program or C.I. Family and interpersonal violence education to increase effective nursing responses including: history, categories, cycles, laws, intervention, nursing resources, protocols and resources. Occasional.

NSP 4685 CON-NURS 3(3.0) Death & Dying: Nursing Considerations: PR: Admission to the Nursing Program, RN licensure, or C.I. An in-depth look at issues encountered in nursing practice related to the process of death, dying, and end of life. Occasional.

NSP 4695 CON-NURS 3(3.0) Forensic Nursing Principles and Practice: PR: NUR 3225 or NUR 3225L and completion of two semesters of a Nursing 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 3028L CON-NURS 2(2.0) Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. 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 3028 and NUR 3028L; NUR 3065 and NUR 3065L and NUR 3825; NUR 3634 and NUR 3634L. Lab to learn and apply scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee $30.00

NUR 3065 CON-NURS 2(2.0) Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 2(2.0) Health Assessment Lab: CR: NUR 3065 and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring.

NUR 3125 CON-NURS 3(3.0) Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester; for RN to BSN students: successful completion of the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3325; NUR 3445; NUR 3445L. Concepts and nursing care applications of the pathophysiological basis of illness. Fall.

NUR 3145 CON-NURS 3(3.0) Pharmacology for Nursing Practice: PR: Admission to BSN program; successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3325; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

NUR 3165 CON-NURS 3(3.0) Nursing Research: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program students: successful completion of the first semester; for RN to BSN students; NUR 3855 and NUR 3855L, or C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, 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 nursing and completion of previous nursing courses; STA 2014C or 2023; co-requisites per the plan of study 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 Accelerated BSN Option; concurrent enrollment in the undergraduate or graduate research course with approval from the CON. 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: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3225, NUR 3125; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225 CON-NURS 1(2.0) 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 3225; NUR 3125; NUR 3445; NUR 3445L. Clinical experiences applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness, or chronic health problems. Graded S/U. Fall. M&S fee $40.00

NUR 3445 CON-NURS 3(3.0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3125; NUR 3445; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and Illness management for childbearing and childbearing families. Fall.
NUR 3445L CON-NURS  2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program. Corequisite of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225, NUR 3225L, NUR 3125, NUR 3145; NUR 3445. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Graded S/U. Fall, Spring.

NUR 3634 CON-NURS  3(0,3) Community Health Nursing: PR: Admission to the BSN program, CR: NUR 3028 and NUR 3028L; NUR 3055L; NUR 3065L; NUR 3825; NUR 3634L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall. M&S fee $20.00

NUR 3634L CON-NURS  2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program, CR: NUR 3028 and NUR 3028L; NUR 3055L; NUR 3065L; NUR 3825; NUR 3634. Clinical concepts of community health nursing focusing on community as client, and levels of prevention across the lifespan. Graded S/U. Fall, M&S fee $45.00.

NUR 3755L CON-NURS  2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN Program. CR: NUR 3028 and NUR 3028L; NUR 3055L; NUR 3065L; NUR 3825; NUR 3634 and NUR 3634L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $20.00


NUR 3805 CON-NURS  3(0,3) Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS  1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS  2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS  2(2,0) Honors The Role of the Professional Nurse: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall, Spring.

NUR 3826 CON-NURS  3(0,3) Bioethics in Nursing: PR: PSY 2012, SYG 2000, or PHI 2010, or C.I. An examination of human values and bioethical questions arising in health care as they relate to nursing. Occasional.

NUR 3826H CON-NURS  3(0,3) Honors Bioethical and Legal Issues in Health Care: PR: Permission of Honors. Includes questions concerning human values, legal and ethical questions arising in health care delivery policy issues and professional practice among licensed health care professionals. Occasional.

NUR 3936 CON-NURS  3(2,2) International Perspectives of Nursing and Health Care: PR: Enrollment in School of Nursing or C.I. 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: Explore lived experience of health-wellness-sickness on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4178 CON-NURS  3(3,0) Complementary & Alternative 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 alternative therapies (CAM). 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: NUR 3125, RN License, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS  4(0,4) Nursing Care of the Adult II: PR: Admission to the BSN program. CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS  3(0,3) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program, CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L, or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4247 CON-NURS  3(3,0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS  3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Spring.

NUR 4340 CON-NURS  3(0,3) Obesity in Children and Adolescents: Nursing Management: PR: Junior or senior undergraduate standing in nursing, 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(0,3) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.

NUR 4516 CON-NURS  3(3,0) Crisis Intervention: PR: Completion of PSY 2012, SYG 2000 or ANT 2000 Crisis theory and techniques; recognition and intervention in crisis events. Applicable to all areas of nursing and all helping professions. Occasional.

NUR 4535 CON-NURS  3(0,3) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4535; 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) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS  4(0,12) Practicum in Community and Public Health Nursing for RNs: PR: NUR 3834, CR: NUR 4537; NUR 4827, and NUR 4537. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting. Designed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS  2(0,2) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4454L; NUR 4454; NUR 4457: C.I. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS  1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4454L, NUR 4457; NUR 4457. Clinical practice in public health settings. Students will apply findings of community assessment completed in NUR 4457 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS  3(3,0) Issues in Rural Health Care: PR: NUR 3065 or junior standing in nursing. 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 the Nursing Program, RN License, 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 the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS  3(3,0) Leadership and Management Principles: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management needed to function in leadership, management, and teaching roles in professional nursing. Application of decision making and leadership skills. Fall, Spring.

NUR 4828 CON-NURS  3(3,0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN or the RN-BSN program, and concurrent enrollment in NUR 4454L or NUR 4454, or C.I. Principles of leadership and management needed for role transition of baccalaureate graduates entering professional nursing practice focusing on principles of leadership and management applied to health care settings. Fall, Spring.

NUR 4828H CON-NURS  3(3,0) Honors 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: or C.I. NUR 4454L 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: Completion of all Jr. level and Sr. level Fall courses 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 437TH CON-NURS 3(3,0) Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors. Admission to BSN program; completed first & second semester BSN curriculum course work; 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 SU 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 SU or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0,3) Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded SU or Letter grade. Use the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4) Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; For Basic program successful completion of the first three semesters; For RN to BSN students NUR 3052 or NUR 3055 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 SU or Letter grade. Spring.

NUR 4971H CON-NURS 1-3(1-3.0) Honors Thesis or Project Work: 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-BOI 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 3490 OPT-OPT 3(3,0) Nanophotonics: PR: PHY 2049C or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OSE 4240 OPT-OPT 3(3,0) Optics & Photonics Design: PR: OSE 3052. Analysis and design of optical and photonics systems. Assessment of image quality using optical design software. Simulation of integrated-optic systems using photonic design software. Spring.

OSE 4410L OPT-OPT 1(0,3) Optoelectronics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, CCDs. Applications include solar cells, displays, photodetection, and optical communications. Spring. M&S fee $18.00.

OSE 4470 OPT-OPT 3(3,0) Fiber-Optic Communications: PR: EEL 3712C and OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. Fall.

OSE 4470L OPT-OPT 3(1,0) Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters and receivers using optoelectronic devices, multiplex, and overall systems performance. M&S fee $16.00.


OSE 4721 OPT-OPT 3(3,0) Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological materials). Tissue optics, light-based cellular processes, optical, 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. Spring.


OSE 4930 OPT-OPT 2(2,0) Frontiers of Optics and Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior Standing. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 OPT-OPT 3(0,3) Senior Design I: PR: OSE 3053, OSE 4470 and OSE 4520. PR: or CR: OSE 4410 and C.I. Development of the technical, communication, and team skills for successful design of optical and photonics 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 4911, including complete project design review, prototyping, 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 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.


OSE 5312 OPT-OPT 3(3,0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials; classical and quantum mechanical description of optical properties. Spring.

OSE 5313 OPT-OPT 3(3,0) Materials for Optical Systems: PR: Graduate 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 5414 OPT-OPT 3(3,0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OSE 5630C OPT-OPT 3(2,1) Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0) Public Administration in American Society: PR: POS 2041, and Sophomore standing, and in a program that requires this course, or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-PUB 3(3,0) Ethics and Values in Public Administration: PR: Junior standing and in a program that requires this course, or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0) Urban and Regional Planning: PR: Junior standing and in a program that requires this course, or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3,0) Professional Administrative Writing in the Public Sector: PR: POS 2041, and Sophomore standing, and Public Administration major or minor, or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-HPA 1(1,0) Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor and Junior standing and ENC 1102. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be used in the degree program a maximum of 3 times. Fall, Spring.

PAD 4034 HPA-PUB 3(3,0) The Administration of Public Policy: PR: PAD 3003, and PAD 3733, and ECO 203 or ECO 2023, and Junior Standing, or C.I. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interpret the between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0) Administrative Theory: PR: PAD 3003, and PAD 3733, and ECO 203 or ECO 2023, and Junior standing, or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0) Public Sector Project Management: PR: Junior Standing Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.
PAD 4144 HPA-PUB  3(3,0)  Nonprofit Organizations: PR: Junior standing and have declared Nonprofit Minor or Certificate or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB  3(3,0)  Research Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit minor or certificate or C.I. Examination of the development and management of human resources and financial resources. The development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB  3(3,0)  Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB  3(3,0)  Planning and Improvement for Public Organizations: PR: Public Administration major or Non Profit Certificate student, and Junior standing, or C.I. Preparing future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB  3(3,0)  Fiscal Management: PR: PAD 3003, and PAD 3733, and ECO 2013 or ECO 2023, and Junior standing, or C.I. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB  3(3,0)  Public Budgeting: Skills and Techniques: PR: PAD 3045 or C.I. Analytical skills and administrative techniques employed by public budget analysis, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB  3(3,0)  Community & Economic Development: PR: Public Administration major or Non Profit minor or Urban Regional Planning minor, and Junior standing, or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB  3(3,0)  Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit certificate or Public Administration major or C.I.) To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB  3(3,0)  Land Use and Planning: PR: Urban and Regional Planning minor and Junior standing, 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: CR: Urban and Regional Planning minor and Junior standing, 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: Junior standing and in a program that requires this course, or C.I. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371 HPA-PUB  3(3,0)  Community Resiliency & Sustainability: PR: (ENC 1102 & Sophomore Standing) or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community sociology. Occasional.
UCF Courses and Descriptions

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 AFF 3(3.0) Interdisciplinary Leadership in Public Affairs: PR: Junior Standing and ENC 1101 or C. Global public affairs for 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: A “C” (2.0) or better in both PCB 3044 and PCB 3063, or C. 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, or Certificate in Conservation Biology, or C. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 COS-BIOL 3(3.0) Molecular Cell Biology: PR: CHM 2210 and a “C” (2.0) or better in both BSC 2010C and PCB 3063, or C. Introduction to cellular systems and functions of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization and functions of the cytoskeleton and extracellular matrix. Fall, Spring.

PCB 3044 COS-BIOL 3(3.0) Principles of Ecology: PR: CHM 2045C or CHM 2041, and a “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 1(0.3) Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C. Field and laboratory investigations of natural ecosystems, with emphasis on current methodological approaches in ecology. Fall.

PCB 3063 COS-BIOL 3(3.0) Genetics: PR: CHM 2046 and a “C” (2.0) or better in BSC 2010C, or C. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3083H COS-BIOL 3(3.0) Honors Genetics: PR: CHM 2046 and a “C” (2.0) or better in BSC 2010C, or C, and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0.3) Genetics Laboratory: PR: or CR: PCB 3063 or C. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee $28.00

PCB 3233 COM-BBSS 3(3.0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunochemistry, and immuno therapy. Fall, Spring.

PCB 3233L COM-BBSS 1(0.3) Immunology Laboratory: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00

PCB 3343L COS-BIOL 2-5(0.6-15) Principles of Field Ecology: PR: BSC 2011C, PCB 3044 or C. Applied study of biodiversity, ecology and conservation in field sites. Field research and lab lectures. Emphasis and location varies by instructor. May be repeated for credit only when course content is different. Occasional.

PCB 3354 COS-BIOL 3(3.0) Tropical Ecology and Conservation: PR: PCB 3044 with a grade of “C” (2.0) or better, or C. Geographical, ecology, and environmental problems encountered in various tropical ecosystems with particular emphasis towards terrestrial systems in tropical rainforests. Occasional.

PCB 3355 COS-BIOL 2(0.2) Tropical Marine Biology: PR: A “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reef. Occasional.

PCB 3342 COS-BIOL 3(3.0) Aquatic Ecology: PR: A minimum grade of “C” (2.0) in both BSC 2010C and BSC 2011C, or C. An introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 COM-BBSS 3(3.0) Molecular Biology I: PR: CHM 2211 and MCB 3020C or C. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3522H COM-BBSS 3(3.0) Honors Molecular Biology I: PR: CHM 2211 and MCB 3020C or C. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Occasional.


PCB 3703C COM-BBSS 4(3.3) Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee $70.00

PCB 4028 COS-BBSS 3(3.0) Molecular and Cellular Pharmacology: PR: 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 4264 COS-BBSS 3(3.0) Stem Cell Biology: PR: PCB 3522 or PCB 3023. Introduction to embryonic and adult stem cells, procedures to isolate them, principles and applications of stem cells in animal and human diseases. Occasional.

PCB 4280 COS-BBSS 3(3.0) Molecular Immunology: PR: PCB 3522. Advanced understanding of the workings of the immune system, correlating cellular and molecular mechanisms with clinical cases. Spring.

PCB 4284 COS-BBSS 3(3.0) Immunobiology: PR: PCB 3233 Investigating innate and adaptive immunity. A grade of “B” (3.0) or better in PCB 3044 and PCB 3063 or C. I. Examination of how hosts, parasites and environment interact to shape organisms, populations and communities. Occasional.

PCB 4514 COS-BIOL 3(3.0) Genetics II: PR: A minimum grade of “B” (3.0) in PCB 3063, or C. Advanced topics in genetics and epigenetics including genome organization, gene regulation, chromosome mutation, developmental genetics and the effect of environment on phenotype. Even Fall.

PCB 4521 COM-BBSS 3(3.0) Tissue Engineering: PR: MCB 3020C or CHM 2045C. Tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell- and material-based approaches. Even Fall.

PCB 4524H COM-BBSS 3(3.0) Honors Molecular Biology II: PR: Permission of honors and PCB 3522. Same as PCB 4524 with honors level content. Spring.

PCB 4529C COM-BBSS 4(3.4) Experimental Molecular Cell Biology: PR: BSC 3043G 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 COS-BBSS 3(3.0) Human Genetics: PR: 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 COS-BIOL 3(3.0) Evolution and Medicine: PR: A “B” (3.0) or better in PCB 4663 or C. Evolutionary theory and perspectives to investigate problems in human health and disease. Odd Fall.

PCB 4683 COS-BIOL 4(4.0) Evolutionary Biology: PR: A grade of “C” (2.0) or better in PCB 3044 and PCB 3063 or C. Demographic and genetic structure of populations and their relationship to speciation, adaptation, and macroevolutionary processes in plants and animals. Fall, Spring.

PCB 4683L COS-BIOL 1(0.2) Evolutionary Biology Lab: PR: or CR: PCB 4683. Reading, problem solving and discussion on current topics in evolutionary biology. Fall, Spring. M&S fee $3.00

PCB 4708L COM-BBSS 3(0.6) 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 4723 COS-BIOL 4(4,0)
Animal Physiology: PR: A "C" (2.0) or better in PCB 3023, or C. Fundamentals of body processes occurring in animals, with emphasis on vertebrate physiology. Fall.

PCB 4802 COS-BIOL 3(3,0)
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 4805 COM-BSBS 3(3,0)

PCB 4813 COM-BSBS 3(3,0)
Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4083. Advanced topics in physiological processes at the cellular, molecular and system level. Spring.

PCB 4832 COM-BSBS 3(3,0)
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 3522, PCB 3703C, ZOO 3733C. Advanced topics in 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 an 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 4036H 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. M&S fee $15.00

PCB 5235 COM-BSBS 3(3,0)
Molecular Immunology: PR: PCB 3522 or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. Spring.

PCB 5236 COM-BSBS 3(3,0)

PCB 5238 COM-BSBS 3(3,0)
Immunobiology: PR: PCB 3233, PCB 4280. Advanced topics in immune system dysregulation with special emphasis on innate immune response. 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 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 Ecosystems of Florida: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or C.I. Certification 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. M&S fee $45.00

PCB 5447 COS-BIOL 3(3,0)
Disease Ecology & Ecommunology: PR: A grade of 'B' (3.0) or better in Genetistics (PCB 3526C or equivalent) and Ecology (PCB 3044 or equivalent), or C.I., or graduate standing. Examination of how hosts, parasites and environment interact with organisms, populations and communities. Occasional.

PCB 5485 COS-BIOL 3(3,0)
Models in Ecology: PR: PCB 3044, MAC 2111C (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. M&S fee $15.00

PCB 5527 COM-BSBS 3(3,0)
Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering and Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmaceuticals, recombinant proteins will be discussed in depth. Fall.

PCB 5596 COM-BSBS 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

PCB 5665C COS-BIOL 4(3,2)
Human Genetics: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Human Genetics provides a theoretical framework for understanding the biology of the human species. Occasional. M&S fee $15.00

PCB 5687 COS-BIOL 3(3,0)
Evolutionary Ecology: PR: PCB 4683 or equivalent and C.I. Evolution of life history traits (e.g., propagule 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 5807 COS-BIOL 3(3,0)
Comparative Endocrinology: PR: PCB 3522 and PCB 3044 or equivalent and C.I. Hormonal regulation of animal behavior and physiological responses to the environment. Even Fall.

PCB 5815 COM-BSBS 3(3,0)
Molecular Aspects of Obesity, Diabetes & Metabolism: PR: PCB 3522 or BCH 4083 or BSC 6432. 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. An advanced and thorough course providing the cellular components and molecular signaling pathways involved in the nervous system function. Spring.

PCB 5838 COM-BSBS 3(3,0)
Cellular and Molecular Basis of Brain Functions: PR: Graduate Standing or C.I. Designed to provide graduate students the concepts required to understand the physiological basis of brain functions at the molecular, cellular and system levels. Fall.

PCB 5935 COS-BIOL 3(3,0)
Population Genetics: PR: Admission to the M.S. Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Population genetics and the study of the various forces that result in evolutionary changes through time. Even Spring.

PCO 4203C COS-PSYCH 3(3,1)
Interviewing and Counseling: PR: PSY 2012. A review of various interviewing theories and techniques 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)
Basic Volleyball and Softball: The analysis and development of defensive and offensive alignments, techniques, strategies. Occasional.

PEL 2111 ED-E&HS 2(1,1)

PEL 2112 ED-E&HS 2(1,1)
Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 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 2122 ED-E&HS 2(1,1)

PEL 2341 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 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 201M ED-E&HS 2(1,1)
Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiorespiratory) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2154A ED-E&HS 2(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.
UCF Courses and Descriptions

PEM 2121C ED-E&HS 3(1,3)
Yoga: 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 focused and centered. Fall, Spring.

PEM 2127C ED-E&HS 2(1,1)
Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional.

PEM 2131 ED-E&HS 2(1,1)
Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring.

PEM 2134C 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 2171 ED-E&HS 2(1,1)
Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, stretch, cool down, and heart rate. Fall, Spring.

PEM 2173 ED-E&HS 2(1,1)

PEM 2175 ED-E&HS 2(1,1)
Country/Western Dance: Basic instruction in Country and Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-E&HS 2(1,1)

PEM 2179C ED-E&HS 2(1,1)
Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, balance control, body alignment and flexibility. 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, lifting and throwing, 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 3(2,1)
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PET 3361 ED-E&HS 3(3,0)
Nutting and Metabolism in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program. 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 & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall, Spring.

PET 3765 ED-E&HS 3(3,0)
Coaching Theory: PR: Admission to Sport and Exercise Science program. Fall, Spring.

PET 3768 ED-E&HS 3(3,0)
Group Exercise Instruction: PR: Admission to Sport and Exercise Science program or Coaching Minor. Theories of coaching team and individual sports. Fall, Spring.

PET 4050C ED-E&HS 3(2,1)
Motor Development and Learning: PR: Admission to Sport and Exercise Science program of Early Childhood Development and Education program and minimum overall 2.5 GPA. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 4083 ED-E&HS 3(3,0)
Personal Training Methods: PR: Admission to 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 Sport and Exercise Science program, ZOO 3736C or equivalent and minimum overall 2.5 GPA. Critique and analysis of evidence that exercise training can 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, Fitness Training Minor or Coaching Minor and minimum overall 2.5 GPA. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

PET 4312C ED-E&HS 3(2,1)
Kinesiology/Biomechanics: PR: Admission to Sport and Exercise Science program or Fitness Training Minor, BSC 2010C or equivalent, ZOO 3736C 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(2,2) Biomechanics of Sport: PR: PHY 2053C or PHY 2040G. Assessment of physiological and mechanical aspects of sports and injuries. Spring.

PET 4401 ED-E&HS 3(3,0) Administration and Evaluation in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. 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 Sport and Exercise Science program. AKP 4110C and minimum overall 2.5 GPA. A study and acquisition of health related fitness, exercise strategies and related assessment techniques. Fall, Spring.

PET 4552 ED-E&HS 3(3,0) Exercise Prescription for Special Populations: PR: Admission to Sport and Exercise Science program or Fitness Training Minor. AKP 4110C and minimum overall 2.5 GPA. Students integrate knowledge of exercise science, psychology, and fitness conditioning to develop exercise programs 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 3730C or ZOO 3730G. Standing or C.I. Focuses on applying principles of exercise and sport. Spring.

PET 4640 ED-E&HS 3(3,0) Adapted Physical Education: Principles and methods of adapting physical education activities and programs for exceptional children and adults; mainstreaming rationale and methods analyzed. 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 and 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 Coaching Methods And Principles: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Spring.

PET 4801 ED-E&HS 3(3,0) Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Enhances students' oral and written presentation ability in issues and topics related to sport and exercise science. Fall, Spring.

PET 4925 ED-E&HS 6(0,16) Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program requirements. Field experience in a sport and fitness related organization. Graded S.U. Fall, Spring.

PET 4926 ED-E&HS 9(0,0) Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Field experience in a sport and exercise science organization, association, or business. Graded S.U. Fall, Spring.

PET 4943 ED-E&HS 12(0,35) Internship II: PR: Must have completed coursework in specialization. Satisfactory completion of the portfolio. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S.U. May be repeated for credit. Occasional.

PET 5216 ED-E&HS 3(3,0) 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.

PET 5355 ED-E&HS 3(3,0) Exercise and Health: PR: Admission to master's program or certificate program. Will provide education in an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasis on understanding principles of exercise adaptation and applying those principles to fitness/wellness settings. Occasional.

PET 5495 ED-E&HS 3(3,0) 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.


PET 5931 ED-E&HS 3(3,0) Current Issues and Trends in Physical Education and Sport: PR: Admission to the Physical Education graduate program or C.I. Examination of the current issues and trends encountered by professionals in physical education and sport. Occasional.

PGY 2401C CAH-SVAD 3(3,2) Beginning Photography: PR: ART 2201C, ART 2203C or C.I. Introduction to photography with an art emphasis. Fall, Spring. M&S fee $45.00

PGY 3002 CAH-SVAD 3(3,0) Contemporary Photography: PR: PGY 2401C or C.I. Late 20th and 21st century (1970's-present) contemporary movements in photography, special emphasis on issues and ideas relative to contemporary image making. Occasional.

PGY 3205C CAH-SVAD 3(2,4) Photographic Lighting Techniques: PR: PGY 2103C 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 3276 CAH-SVAD 3(3,0) 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 3410C CAH-SVAD 3(2,2) Intermediate Photography: PR: ART 2201C, ART 2203C, ART 2300C or C.I. Advanced lighting techniques and equation for both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $70.00

PGY 3451C CAH-SVAD 3(2,4) Alternative Processes: PR: PGY 3472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00

PGY 3472C CAH-SVAD 3(1,2) Photo Visualization: PR: PGY 2650, PGY 2215 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee $68.00

PGY 3480 CAH-SVAD 3(3,0) Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

PGY 3610C COS-COMM 3(1,4) Photocommunication: PR: Journalism majors only. Digital photography and visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimal camera baselines. Occasional.

PGY 3620C COS-COMM 3(1,2) Photocommunication II: PR: PGY 3610C. The Picture Story. Individual and group projects for extended documentary coverage. Occasional.

PGY 3630 COS-COMM 3(3,0) Photojournalism III: PR: PGY 3620C. Photography theory, assignment selection, picture and copy editing, cropping, picture desk manager, and ethics of photojournalism, and the new technological advances. Occasional.

PGY 3651C CAH-SVAD 3(2,4) Narrative Editorial Photography: PR: PGY 2655 Editorial Photography. Students explore photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee $70.00

PGY 3653C CAH-SVAD 3(2,4) Advanced Editorial Photography: PR: PGY 3655. Exploration of images and ideas to Illustrate articles, including still-life, portrait, documentary, and/or fashion photography. Emphasis on the creation of multiple or consecutive images. Spring. M&S fee $69.00

PGY 3703C CAH-SVAD 3(2,4) Photography & the Web: PR: PGY 3612C or C.I. Advanced issues in digital imaging, emphasis on professional output solutions for the photographer such as web as an interface, large format printing, and film recorder. Occasional. M&S fee $45.00

PGY 3751C CAH-SVAD 3(2,4) Multimedia: PR: PGY 3655 or C.I. Creation of video narratives using the digital environment. Occasional.

PGY 3821C CAH-SVAD 3(2,4) Advanced Digital Photography: PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee $69.00

PGY 4003 CAH-SVAD 3(3,0) Image, Culture, and Society: PR: PGY 3002 or C.I. The role of the media and media imagery in culture and society. Occasional.

PGY 4228C CAH-SVAD 3(2,4) Advanced Illustrative Photography: PR: PGY 2050C 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 CAH-SVAD 3(2,4) Professional Photographic Workshop: PR: PGY 3205C. Creative, logistical, and technical processes as related to a variety of special lighting problems in a professional studio and on location. Occasional. M&S fee $70.00

PGY 4420C CAH-SVAD 3(2,3) Advanced Photography: PR: ART 2201C, ART 2203C, ART 2300C or C.I. Creativity, logistical, and technical processes as related to a variety of special lighting problems in a professional studio and on location. Occasional. M&S fee $49.00

PGY 4440C CAH-SVAD 3(2,3) Special Problems in Photography: PR: ART 2201C, ART 2203C, ART 2300C, ART 3501C, PGY 3410C, and a satisfactory portfolio review or C.I. Designed for upper division art majors with photography concentration. A series of directed photographic problems of a research nature. Occasional. M&S fee $20.00

PGY 4471 CAH-SVAD 3(3,0) Photography Thesis: PR: PGY 3276. Senior thesis culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $68.00

PGY 4493C CAH-SVAD 3(2,4) 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 ideas and ideas found in historical and contemporary imagery. Occasional. M&S fee $68.00

PGY 5108C CAH-SVAD 3(2,4) Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3410C and PGY 4420C, or admission into MFA 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. M&S fee $45.00
major themes and developments in Russian philosophy
contemporary relevance
standpoints for understanding human life, the philosophical
critiques of society, the implications of their contrasting
in outlook and emphasis, the significance of their respective
philosophies of Marx and Nietzsche, important differences

PHI 2647 CAH-PHIL 3(3,0)
Formulations in ethical theory.

PHI 2630 CAH-PHIL 3(3,0)
Philosophical Thinking.

PHI 2010 CAH-PHIL 3(3,0)
Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs about reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 2010H CAH-PHIL 3(3,0)
Honors Introduction to Philosophy: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 2011 CAH-PHIL 3(3,0)

PHI 2101 CAH-PHIL 3(3,0)
Formal Logic I: A study of sentence and predicate logic, with introduction to modal, epistemic, deontic, multi-valued, and indeterminate logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0)
Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0)
Ethics: An examination of the nature of moral problems, judgements and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0)
Logic and Ethics: PHI 2101 or COT 3300 or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3033 CAH-PHIL 3(3,0)
Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0)
Research Methods in Philosophy: PR: PHI 2010 or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0)
Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logic, systems and axiomatic methods; problems of meta-theory, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0)
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 personhood, and the relation of psychology to neurology. Occasional.

PHI 3323 CAH-PHIL 3(3,0)

PHI 3455 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3601 CAH-PHIL 1(1,0)
Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3502 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.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3502 or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0)
Family Values: PHI 2101, PHI 2630, PHI 3670, or WST 3015. 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.

PHI 3638 CAH-PHIL 3(3,0)

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3670 CAH-PHIL 3(3,0)
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.

PHI 3672 CAH-PHIL 3(3,0)
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.

PHI 3684 CAH-PHIL 3(3,0)
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." Occasional.
PHT 4222L HPA-HP 1(0,2)

PHT 4230 HPA-HP 2(2,0)
Therapeutic Exercise II: CR: PHT 4222. PHT 4230L. Exploration of the various therapeutic exercise modalities, and their application to the rehabilitation course content. Occasional.

PHT 4230L HPA-HP 1(0,2)

PHT 5003 HPA-HP 2(2,0)

PHT 5005 HPA-HP 2(2,0)

PHT 5125 HPA-HP 2(2,0)
Clinical Kinesiology: CR: PHT 5125L. Investigates 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.

PHT 5125L HPA-HP 2(0,4)
Clinical Kinesiology Lab: CR: PHT 5125. Graduate level study of human musculoskeletal movement with an emphasis on joint mechanics and clinical applications. Occasional. M&S fee $35.00

PHT 5218 HPA-HP 2(2,0)
Theories and Procedures I: CR: Theories and Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage; problem solving rationale and selection of interventions for inflammation, pain, edema, and weakness. Spring.

PHT 5218L HPA-HP 1(0,2)

PHT 5240 HPA-HP 1(1,0)

PHT 5240L HPA-HP 2(0,4)
Physical Assessment Lab: CR: Physical Assessment Lab. Course emphasizing the examinations required to perform an evaluation of physical therapy patient. Fall. M&S fee $45.00

PHT 5241 HPA-HP 2(2,0)

PHT 5241L HPA-HP 2(0,4)
Therapeutic Exercise I Lab: CR: Therapeutic Exercise I. Lab course emphasizing therapeutic exercise skills for the treatment of patients with musculoskeletal dysfunction. Spring. M&S fee $15.00

PHT 5260 HPA-HP 2(2,0)
Patient Care Skills: CR: Patient Care Skills Lab. Affective, cognitive, and psychomotor skills, regarding patient care. Basic skills of patient care, transfers, mobility skills, draping, gait training. Fall.

PHT 5260L HPA-HP 1(0,2)
Patient Care Skills Lab: CR: Patient Care Skills Lab. Skills of patient care, transfers, mobility skills. Fall. M&S fee $30.00

PHT 5718 HPA-HP 2(2,0)

PHT 5718L HPA-HP 1(0,2)
Neurological Physical Therapy Lab: CR: Neurological Physical Therapy. Lab Course emphasizing the clinical application of selected neuromotor theories. Occasional. M&S fee $30.00

PHY 2048C COS-PHYS 3(3,0)
Concepts of Physics: An introductory course in physics designed for non-science majors, emphasizing topics relevant to everyday life. The course focuses on major physical discoveries and their implications for the world around us. Fall.

PHY 2048C COS-PHYS 3(3,0)
Physics for Engineers & Scientists I: PR: MAC 2311C (or equivalent) with grade "C" (2.0) or better. Mechanics, Thermodynamics, fluids. Fall, Spring. M&S fee $15.00

PHY 2048C COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists I: PR: MAC 2311C (or equivalent) with grade "C" (2.0) or better, and permission of Honors. Same as PHY 2048C with honors-level content. Fall, Spring.

PHY 2048C COS-PHYS 3(3,0)
Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048C with grades "C" (2.0) or better. Electricity, magnetism, optics. Fall, Spring. M&S fee $15.00

PHY 2049C COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists II: PR: PHY 2312 and PHY 2048C with grades "C" (2.0) or better, and permission of Honors. Same as PHY 2049C with honors-level content. Fall, Spring.

PHY 2053C COS-PHYS 4(3,3)

PHY 2053C COS-PHYS 4(3,3)
College Physics I: PR: MAC 1105C and MAC 1114C or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee $14.00

PHY 2054C COS-PHYS 4(3,3)
College Physics II: PR: PHY 2053C. Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee $15.00

PHY 2054C COS-PHYS 4(3,3)

PHY 3101 COS-PHYS 3(3,0)
Physics for Engineers and Scientists III: PR: MAC 2313 and PHY 2048C. Thermodynamics, oscillations, modern physics. Fall, Spring.

PHY 3101H COS-PHYS 3(3,0)
Honors Physics for Engineers and Scientists III: PR: PHY 2049C, MAC 2313, and consent of Honors. Same as PHY 3101 with honors-level content. Fall.

PHY 3220 COS-PHYS 3(3,0)

PHY 3323 COS-PHYS 3(3,0)

PHY 3513 COS-PHYS 3(3,0)
Thermal and Statistical Physics: PR: PHY 3101 or PHY 3101H or C.I. Thermodynamics, kinetic theory, elements of statistical mechanics. Fall.
PHYS 5255 COS-PHYS 3(3,0) Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and 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.

PHYS 5346 COS-PHYS 3(3,0) Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrostatics and magnetostatics. Maxwell's equations. EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHYS 5455 COS-PHYS 3(3,0) Modern X-ray Science: PR: Graduate status or senior standing or C.I. An introduction to the science and applications of modern X-ray optics, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHYS 5524 COS-PHYS 3(3,0) Statistical Physics: PR: PHY 3513, STA 3032, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

PHYS 5606 COS-PHYS 3(3,0) Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time-dependent and time-independent Schrodinger equation, matrix formulation, and time independent perturbation theory. Fall.

PHYS 5650 COS-PHYS 3(3,0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.

PHYS 5704 COS-PHYS 3(3,0) Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

PHYS 5705 COS-PHYS 1(1,0) Physics of Graphene and Carbon Nanotubes: PR: PHY 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. Odd Fall.

PHYS 5715 COS-PHYS 3(3,0) Physical Basis of Life: PR: Graduate standing or C.I. Molecular and cellular principles of origin of life, physical and chemical interpretation of life processes. Fall.

PHY 5817L COS-PHYS 10(3) Building Physics Apparatus: PR: Graduate standing or senior standing and C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. M&S fee $45.00

PHY 5846C COS-PHYS 3(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(3,0) Selected topics in biophysics of macromolecules: PR: PHY 3010, CHM 2046, and graduate status 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(3,0) Introduction to Theoretical Methods of Physics: PR: MAP 2302. Analytical techniques to solve problems of physics. Spring.


PHZ 3422 COS-PHYS 3(3,0) Nanophysics: PR: PHY 3101 or C.I. Physical phenomena occurring in nanometer-length scale, including nano colloids, and nano transport. Occasional.


PHZ 4041 COS-PHYS 3(3,0) Atto-second Laser Physics: PR: PHY 3323 or PHY 5346 or C.I. Coverage of the basic underlying theories through complex concepts of attosecond optics. Occasional.

PHZ 4390 COS-PHYS 3(3,0) Nuclear and Particle Physics: PR: PHY 4805 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(3,0) Solid State Physics: PR: PHY 3101 or C.I. Atomic binding, crystalline structure, diffraction and reciprocal lattice, lattice vibration, phonons, electrons in solids, energy bands, semiconductors. Occasional.

PHZ 4434 COS-PHYS 3(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(3,0) Atto-second Laser Physics: PR: PHY 5006, 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(3,0) Computational Physics: PR: PHY 3151 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(3,0) Nuclear and Particle Physics: PR: PHY 4804 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PHZ 5405 COS-PHYS 3(3,0) Condensed Matter Physics: PR: PHY 4804, PHY 3011, 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 3(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(3,0) Introduction to Soft Condensed Matter Physics: PR: PHY 3013 or C.I. Introduction to the physics of polymers, colloids, surfactants using basic tools of statistical mechanics. Occasional.

PHZ 5437 COS-PHYS 3(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(3,0) Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interactions; fundamental principles of focused ion beam formation and its applications in nanofabrication; Other Ion beam techniques. Odd Spring.

PHZ 5505 COS-PHYS 3(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(3,0) General Relativity: PR: Graduate standing or C.I. Introduction to Einstein’s theory of gravitation. Odd Spring.

PLA 3014 HPA-LS 3(3,0) Law and the Legal System: PR: ENC 1102 and Sophomore Standing. A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-LS 3(3,0) Legal Research: PR: or CR: PLA 3014 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3155 HPA-LS 3(3,0) Legal Writing: PR: PLA 3108. A study of legal writing format and technique, identification of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3,0) Civil Practice and Procedure: PR: or CR: PLA 3014 or C.I. The student becomes familiar with the Florida court procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3277 HPA-LS 3(3,0) The Law of Torts: PR: or CR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contract obligations, tort, and procedures used in preparation, trial and appeal of torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0) Property and Real Estate Law: PR: ENC 1102 and Sophomore Standing. Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0) Criminal Procedure: PR: ENC 1102 and Sophomore Standing. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizures, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS 3(3,0) Property and Real Estate Law: PR: or CR: PLA 3014 or C.I. Study of the law of real and personal property, real estate transactions and conveyances, closing procedures and title problems. Fall, Spring.

PLA 3951H HPA-LS 3(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 4020 HPA-LS 3(3,0) Law and Society: PR: or CR: PLA 3014, and PLA 3205, and C.I. Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4022 HPA-LS 3(3,0) Contemporary Issues in Law: PR: ENC 1102 and Junior Standing. Examine and analyze contemporary legal issues and interplay 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 4226 HPA-LS 3(3,0) Advanced Trial Advocacy: PR: PLA 4010 or PLA 4101, or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-LS 3(3,0) Negotiation Alternatives in Law: PR: or CR: PLA 3014, or C.I. Negotiation, mediation, and other dispute resolution processes. Occasional.
PLA 4263 HPA-LS 3(3,0) Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS 3(3,0) The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0) Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the general corporation law, its structure, organization, and operation. Fall, Spring.

PLA 4464 HPA-LS 3(3,0) Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

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 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 toxic 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. 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 Practice: 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. Fall, Spring.

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. Examine 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 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, seaman'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: Graduate 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 in conversational and written expression. 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 3140 CAH-LANG 3(3,0) Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 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.

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: Permission of Honors. Same as POS 2041 with honors-level content Occasional.

POS 3076 COS-POLS 3(3,0) American Indian Politics: PR: POS 2041 and 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 3173 COS-POLS 3(3,0) Southern Politics: PR: POS 2041 or C.I. Study of state and local 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.
POS 3253H COS-POLS 3(3,0)
Honors Mass Media and Politics: PR: POS 2041 or C.I. Consideration of media campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors consent. Occasional.

POS 3253 COS-POLS 3(3,0)
Contemporary Revolution and Political Violence: PR: ENC 1102 or POS 2041 or C.I. Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3258 COS-POLS 3(3,0)
Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3272 COS-POLS 3(3,0)
Civic Engagement: PR: Junior standing and either PAD 3003 or POS 2041 or C.I. Formal and informal civic engagement in the United States across levels of government, sectors of society, and modes of interaction. Even Fall, Even Spring.

POS 3273 COS-POLS 3(3,0)
Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0)
The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office’s evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0)
Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0)
Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in its context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0)
Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0)

POS 3703 COS-POLS 3(3,0)
Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3703H COS-POLS 3(3,0)
Honors Scope and Methods: PR: POS 2041 and consent of Honors Scope and methodology of political analysis. Discipline-specific research design, research process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

POS 3733 COS-POLS 3(3,0)
Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Logic of inquiry, research design, literature review, research ethics; case studies and case selection; other qualitative methods, such as interview techniques and content analysis. Even Spring.

POS 3949 COS-POLS 0(0,8)

POS 4030 COS-POLS 3(3,0)
The Politics of Sports: PR: POS 2041 or C.I. Emerging concerns in sports policy, institutional interventions in sports regulations, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

POS 4074 COS-POLS 3(3,0)
Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Occasional.

POS 4142 COS-POLS 3(3,0)
Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0)
Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0)
Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4228 COS-POLS 3(3,0)
Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0)

POS 4603 COS-POLS 3(3,0)
American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4604 COS-POLS 3(3,0)
American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4622 COS-POLS 3(3,0)
Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Oppositional perspectives of civil rights and political efforts to resist them. Fall.

POS 4641 COS-POLS 3(0-3,9)
Political Science Internship: 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. Occasional.

POT 3302 COS-POLS 3(3,0)

POT 4003 COS-POLS 3(3,0)
Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, exposing contemporary developments in the field. Occasional.

POT 4025 COS-POLS 3(3,0)

POT 4054 COS-POLS 3(3,0)
Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 COS-POLS 3(3,0)
Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxism, libertarianism, and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS 3(3,0)
Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.

POT 4109H COS-POLS 3(3,0)
Honors Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.

POT 4305 COS-POLS 3(3,0)
The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0)
Contemporary Democratic Theory: 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. Occasional.

POT 4331 COS-POLS 3(3,0)
Utopia/Dystopia: PR: ENC 1102. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

POT 4345 COS-POLS 3(3,0)
Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0)
Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted Marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0)
Religion and Politics: PR: ENC 1102 or POS 2041 or C.I. Institutional and individual relationships of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.

PPE 3003 COS-PSYCH 3(3,0)
UCF Courses and Descriptions

PPE 3003H COS-PHYC 3(3,0)

PPE 5055 COS-PHYC 3(3,0)
Personality Theories: PR: Graduate status or senior standing or C.I. Critical theoretical models of personality development with applications to counseling, psychotherapy and professional assessment. Occasional.

PSB 3002 COS-PHYC 3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PHYC 3(3,0)

PSB 3441 COS-PHYC 3(3,0)

PSB 3842 COS-PHYC 3(3,0)

PSB 4103C COS-PHYC 3(2,2)

PSB 4240C COS-PHYC 4(3,2)

PSY 5005 COS-PHYC 3(3,0)
Physiological Psychology: PR: PSY 3002 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring.

PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee $14.00.

PSC 1801 COS-PHYS 3(3,0)

PSY 2012 COS-PHYC 3(3,0)
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PHYC 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PHYC 2(2,0)
Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. Fall, Spring.

PSY 3022C COS-PHYC 3(1,8)

PSY 3028 COS-PHYC 3(3,0)
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and current psychological literature on career decision-making. Examination of career development in psychology, including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PHYC 4(3,1)
Statistical Methods in Psychology: PR: PSY 2012, and either STA 2014C or STA 2023; or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. Occasional.

PSY 3204C COS-PHYC 4(3,1)
Honors Statistical Methods in Psychology: PR: Consent of Honors, PSY 2012, and either STA 2014C or STA 2023. C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PHYC 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3004C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee $20.00.

PSY 3213C COS-PHYC 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3004C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PHYC 3(3,0)

PSY 3320C COS-PHYC 3(2,2)

PSY 3625 COS-PHYC 3(3,0)
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unusual beliefs about human behavior. Scientific methodology is used to evaluate bizarre claims such as ESP, astrology, voodoo, mind control, and alien abduction. Occasional.

PSY 3630 COS-PHYC 3(3,0)

PSY 3951 COS-PHYC 1-3(3-0)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PHYC 3(3,0)
The Psychology of Art: PR: or CR: 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-PHYC 1(1,0)
Psychology Capstone: PR: PSY 2012 and Senior Status. Refresh and apply knowledge in core areas of psychology to cutting-edge research in applied disciplines. Graded S/U. Fall, Spring.

PSY 4215C COS-PHYC 4(3,2)
Honors Advanced Research Methods in Psychology: PR: PSY 3213C and consent of Honors, consent of complex research design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee $20.00.

PSY 4215C COS-PHYC 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring.

PSY 4604 COS-PHYC 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-PHYC 3(3,0)
Honors History and Systems of Psychology: PR: PSY 2012 and Honors and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors consent. Occasional.

PSY 4942 COS-PHYC 3(3,0)

PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or CPA 3103 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 policies and political-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3204 COS-POLS 3(3,0)
Global Sustainability: PR: ENG 2010 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 process. 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.

PUP 4209 COS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.I. Public policy analysis, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.
REL 3111 CAH-PHIL 3(3,0) Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FL 100. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3112 CAH-PHIL 3(3,0) Religion and 20th Century Fantasy Texts: PR: HUM 2220 or REL 2300 or CI. Explorations of religious secularity in the texts of Harry Potter, Lord of the Rings, Chronicles of Narnia, and His Dark Materials. Occasional.

REL 3115 CAH-PHIL 3(3,0) Religion, Spirituality, and Popular Music: PR: HUM 2300 or REL 2300. Contemporary spiritual sensibilities encountered at the intersection of religion, philosophy, and popular music. Odd Fall.


REL 3335 CAH-PHIL 3(3,0) Moses, Jesus and Muhammad: PR: HUM 2220, REL 2300, or CI. Main tenets of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3340 CAH-PHIL 3(3,0) Buddhist Thought: PR: HUM 2230 or REL 2300 or CI. Teachings of Buddha and their contemporary applications. Odd Fall, Spring.

REL 3363 CAH-PHIL 3(3,0) Islam: PR: REL 2300 or CI. 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 in 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.

REL 3432 CAH-PHIL 3(3,0) Roots of Western Mysticism: PR: HUM 3431, HUM 3453, REL 3403, REL 3320, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0) Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions with an emphasis on contemporary society. Occasional.

REL 4157 CAH-PHIL 3(3,0) Religion and Psychoanalysis: PR: REL 2300 and REL 2000. Interactions between psychoanalysis and religion, including multiple perspectives of psychoanalytic theories on different religious traditions and phenomena. Even Spring.

REL 4178 CAH-PHIL 3(3,0) Religion and Law: PR: POS 2041. Ideas and events which mark the relationship of religious ideaation and practice, law and politics and cultural values which inform them. Fall.

REL 4180 CAH-PHIL 3(3,0) Religion and Medicine: PR: Junior standing and REL 2300 or CI. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US and abroad. Occasional.


REL 4496 CAH-PHIL 3(3,0) Key Concepts in Religion and Cultural Studies: PR: REL 2000, or CI. Study of the development, meaning, and implications of a central concept in Religious Studies. May be repeated for credit only when course content is different. Occasional.

REL 4901 CAH-PHIL 1(1,0) Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student’s best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.

REL 4919 CAH-PHIL 3(3,0) Senior Research Seminar: PR: Senior standing and Religious Studies track major, or CI. Capstone course on research, developing effective oral and written communication skills. Spring.

REL 4936 CAH-PHIL 3(3,0) Key Figures in Religion and Cultural Studies: PR: REL 2000, or CI. Study of a central figure’s work, influences, and effect. May be repeated for credit only when course content is different. Occasional.

RMI 3011 BA-FIN 3(2.5,1.5) Principles of Risk and Insurance: PR: FIN 3403C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RTE 3457C HPA-HP 3(2.5,1.5) Principles of Radiographic Exposure II: PR: RTE 3418C or CI. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

RTV 2102 COS-COMM 3(3,0) Writing for the Electronic Media: PR: ENC 1102. RTV Major. Practical experience in writing for various electronic media including radio, television, corporate, and digital media. Scriptwriting, writing styles and creative applications. Fall, Spring.

RTV 3007 COS-COMM 3(3,0) Development and Structure of Electronic Media and New Technology: PR: SPC 1608 or SPC 1603C or COM 1000 or CI. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.

RTV 3200 COS-COMM 3(3,0) Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or CI. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Spring.

RTV 3210C COS-COMM 3(2,1) Audio Production I: PR: RTV 3200 and RTV Major - Production Specialization. Audio production theory and recording techniques utilizing various microphone types and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $30.00.

RTV 3220C COS-COMM 3(2,1) Lighting for Video Production: PR: RTV 2200C or RTV 3000C and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $30.00.

RTV 3282C COS-COMM 4(3.1) Studio Television Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $30.00.

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and CI. 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, performance in scenes and commercials. May be repeated for credit only when course content is different. Fall, Spring. M&S fee $15.00.

RTV 3260C COS-COMM 3(3,0) Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $26.00.

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C and RTV Major - Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00.

RTV 3283C COS-COMM 3(2,1) Production of Interactive Multimedia: PR: CSS 1006C; major status in R-TV, Ad-PR, Journalism, Organizational and Interpersonal Communication. Practice of producing electronic or interactive multimedia for the broadcast industry. Students should expect significant work in the RTV facility outside of class. Fall. M&S fee $10.00.

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring.

RTV 3304 COS-COMM 3(3,0) Electronic Journalism II: PR: RTV 3301, RTV 3302, or Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring. M&S fee $10.00.

RTV 3321 COS-COMM 3(3,0) Electronic News Gathering: PR: JOU 2100 and status as either an RTV or Journalism major, or CI. An introduction to the profession and video news. Students plan, research, report, write and execute electronic news productions from concept to finished product. Fall, Spring.

RTV 3912 COS-COMM 3(3,0) Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and CI. Students will work as research assistants in a team, under faculty supervision, and learn firsthand 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(3,0-9) Practicum: PR: CI., RTV Major, and either RTV 3210C, RTV 3220C, or RTV 3234C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.
RTV 4206C COS-COMM 3(2,1) Television Directing: PR: RTV 3208C, RTV 3260C, and RTV Major - Production or Broadcast Generalist Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic and comedic principles. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $30.00

RTV 4211C COS-COMM 3(2,1) Audio Production II: PR: RTV 3210C and RTV Major. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall.

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR: RTV 3280C. Presentation of broadcast material on the web. Integrating digital distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4281C COS-COMM 3(2,1) Webcasting II: PR: RTV 4280C and RTV Major. Production and production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4320C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Production or Broadcast Generalist Specialization. Presenting, producing, and directing broadcast journalism for digital platforms. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4322C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.


RTV 4503 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: Either SPB 1958, COMM 1000, RTV 3007, or C.I. Factors that determine how sporting events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

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 development 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 3(3,0) Advanced Studio Production: PR: RTV 3260, RTV 3220, and RTV 3263 Students will learn and apply advanced techniques in production and directing television programs and video projects both in-studio and on-location. Fall, Spring.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Major or Mass Comm. minor, and RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

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 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) Intensive Russian Conversation: 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) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

RUT 3505 CAH-LANG 3(3,0) Russian Culture and Civilization: CR: ENC 1102 or C.I. Russian culture and civilization through a variety of topics and media. Occasional.


SCC 3311 HPA-CJ 3(3,0) Security Administration: CR: SCC 3311 or C.I. Review and application of basic security principles to retail security, transportation/security, utility security, computer security, and other special security situations. Occasional.

SCC 3316 HPA-CJ 3(3,0) Special Security Problems: CR: SCC 3311 or C.I. Review and application of basic security principles to retail security, transportation/security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TL&L 3(3,0) Teaching Science in Elementary School: CR: EDG 4410 or C.I. CRE 3942. Selected concepts, organizing for instruction, techniques, and evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-TL&L 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a developmentally appropriate science/technology curriculum for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(4,0) Science Instructional Analysis: CR: EDG 4410 or C.I. CR: SCE 3940. Course objectives for a school curriculum and methods materials for the middle grades and high school. Fall, Spring. M&S fee $10.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: CR: Admission to the Teaching 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: CR: EDG 6415, TSL 5085 or admission to MED program or Initial Teacher Preparation certificate. Secondary science education special methods course is designed to augment students’ understanding of instructional methods and their applications in middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: CR: Graduate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.

SLS 1501 ED-CFCS 3(3,0) Strategies for Success in College: CR: PR: RTV 4280C and RTV Major. Preparation 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 2311C COM-BSBS 2(2,1) Overview of Select Medical Careers: CR: PR: One year of high school science, one year of social studies, and one year of language. Topics include health careers such as medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715 ED-CFCS 2(2,1) Peer Educator Leadership: CR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772 COS-PYCH 3(3,0) Sexual Behavior: CR: SOP 6202. Biological, psychological, social, and cultural aspects of human sexuality. Fall.


SOP 3723 COS-PYCH 3(3,0) Cross Cultural Psychology: CR: PSY 2012 Examination of cultures, cross-cultural research and methods concerned with the psychological understanding of under-represented minority groups. Odd Spring.

SOP 3724 COS-PYCH 3(3,0) Psychology of Prejudice: CR: PSY 2012 Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742 COS-PYCH 3(3,0) Psychology of Women: CR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751 COS-PYCH 3(3,0) Legal Aspects of Psychology: CR: PSY 2012 or SYG 2003, or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Occasional.

UCF Courses and Descriptions

SOP 5059 COS-PSYCH 3(3,0)  
Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020 HPA-SOWK 3(3,0)  
Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104 HPA-SOWK 3(3,0)  
Assessing I: Human Development: PR: Junior Standing or C.I. Skill development in assessing “person-in-environment” throughout life cycle. Study interaction of biobehavioral, cultural, and systemic influences on human functioning. Open to non-majors and pending social work majors. Fall.

SOW 3111 HPA-SOWK 3(3,0)  

SOW 3284 HPA-SOWK 3(3,0)  
Social Work Perspectives on Social Justice: PR: Junior Standing or C.I. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. Fall, Spring.

SOW 3300 HPA-SOWK 3(2,1)  
Practice I: Generalist Practice in Social Work: PR: Admission to BSW Program. Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.

SOW 3352 HPA-SOWK 3(3,0)  
Practice II: Interpersonal Skills in Social Work:: PR: SOW 3300 PR or CR: SOW 3352. Study and practice of interpersonal skills, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)  

SOW 3620 HPA-SOWK 3(3,0)  
Culturally Competent Social Work Practice: PR: SOW 3284 and SOW 3104; PR or CR: SOW 3300. Study of interventions and skill development needed to serve oppressed groups. Spring.

SOW 3740 HPA-SOWK 3(3,0)  
Social Work Practice with Loss & Life’s Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4232 HPA-SOWK 3(3,0)  

SOW 4253 HPA-SOWK 3(3,0)  
Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on roles social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. Fall.

SOW 4322 HPA-SOWK 3(3,0)  
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of generalist social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(3,0)  
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(1,2)  
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-SOWK 9(0,28)  
Field Education: PR: Completion of required courses in major: GPA 2.5 in major. CR: SOW 4522. Supervised learning experience in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4515 HPA-SOWK 1-2(1-0)  
Part Time Field Education Seminar: PR: Completion of all other required social work courses for the major and CR: SOW 4941 Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4522 HPA-SOWK 3(2,1)  
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)  
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0)  
Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and maintaining social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0)  
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker's role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0)  
Children's Services: PR: (Admission to BSW program) or (PR or CR: SOW 3104). Study of societal responses to children's needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4672 HPA-SOWK 3(3,0)  

SOW 4705 HPA-SOWK 3(3,0)  
Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0)  
Intervention with Substance Abusers: PR: Junior Standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0)  
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0)  
Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 4794 HPA-SOWK 3(3,0)  
Social Work with Immigrants and Refugees: PR: SOW 3265 and Junior Standing, or C.I. Social work practice with immigrants and refugees, specifically addressing social policies, programs and legal issues impacting from a national and an international perspective. Fall.

SOW 5015 HPA-SOWK 3(3,0)  
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5016 HPA-SOWK 3(3,0)  
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0)  
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5140 HPA-SOWK 3(3,0)  
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran government; connects the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5235 HPA-SOWK 3(3,0)  
Social Welfare Policies and Services: Study of societal responses to human needs; forms shaping social welfare policies and frameworks for analyzing social policies and services Fall.

SOW 5305 HPA-SOWK 3(3,0)  
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)  
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5387 HPA-SOWK 3(3,0)  
Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and educational contract development and management. Occasional.

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 5532 HPA-SOWK 2(2,0)  

SOW 5538 HPA-SOWK 3(3,0)  
Full-Time MSW Generalist Field Education and Seminar I; 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 5559 HPA-SOWK 2(2,0)  

SOW 5565 HPA-SOWK 2(2,0)  
Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5305; CR SOW 5306. Field education for part-time Master of Social Work generalist students; includes seminar and supervised practice of social work in an agency for 150 clock hours. Graded S/U. Fall.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites/CR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 3011L</td>
<td>SPA 3011L HPA-COM SC&amp;DIS 10(1) Speech Production lab: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.</td>
<td>10(1)</td>
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<tr>
<td>SPA 3101</td>
<td>SPA 3101 HPA-COM SC&amp;DIS 3(3,0) Physiological Bases of Speech and Hearing: PR:</td>
<td></td>
<td>CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.</td>
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<tr>
<td>SPA 3104</td>
<td>SPA 3104 HPA-COM SC&amp;DIS 3(3,0) Neural Bases of Communication: PR: or CR: SPA 3471. Structures and functions of the nervous system involved in communication and its disorders. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>SPA 3112</td>
<td>SPA 3112 HPA-COM SC&amp;DIS 3(3,0) Basic Phonetics: CR: SPA 3112L. Physiological description and visual notation of standard speech patterns and regional dialects. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 3123</td>
<td>SPA 3123 HPA-COM SC&amp;DIS 3(3,0) Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>SPA 3123L</td>
<td>SPA 3123L HPA-COM SC&amp;DIS 10(1) Speech Perception Lab: CR: SPA 3132. Laboratory techniques used in investigating human speech perception. Graded S/U. Fall, Spring.</td>
<td>10(1)</td>
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<tr>
<td>SPA 3412</td>
<td>SPA 3412 HPA-COM SC&amp;DIS 3(3,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3411 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 3471</td>
<td>SPA 3471 HPA-COM SC&amp;DIS 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as society's perceptions of individuals with communication disorders. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 3472</td>
<td>SPA 3472 HPA-COM SC&amp;DIS 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 1002, Social/emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>SPA 4032</td>
<td>SPA 4032 HPA-COM SC&amp;DIS 3(3,0) Audiologic Rehabilitation: PR: SPA 3011, SPA 3123, and SPA 4032. Principles and procedures in the use of residual hearing, auditory training, speech reading, and the use of hearing aids. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4241</td>
<td>SPA 4241 HPA-COM SC&amp;DIS 3(3,0) Genetic Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4321</td>
<td>SPA 4321 HPA-COM SC&amp;DIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717 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.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4400</td>
<td>SPA 4400 HPA-COM SC&amp;DIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3717 and Junior Standing, or C.I. Primary and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4476</td>
<td>SPA 4476 HPA-COM SC&amp;DIS 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3101, and SPA 3112 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.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4555</td>
<td>SPA 4555 HPA-COM SC&amp;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.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4580</td>
<td>SPA 4580 HPA-COM SC&amp;DIS 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4634</td>
<td>SPA 4634 HPA-COM SC&amp;DIS 3(3,0) Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process, the impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4803</td>
<td>SPA 4803 HPA-COM SC&amp;DIS 3(3,0) Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 2023. Approaches, methods, and techniques of research in Communication Sciences and Disorders are considered through lecture, discussion, and group participation. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4870C</td>
<td>SPA 4870C HPA-COM SC&amp;DIS 3(3,0) Capstone Course: PR: or CR: All required CS&amp;D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 4948</td>
<td>SPA 4948 HPA-COM SC&amp;DIS 3(3,0) Community Internship: CR: SPA 4326 and senior standing. Supervised interactions and planned activities with individuals experiencing problems with 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.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 5473</td>
<td>SPA 5473 HPA-COM SC&amp;DIS 3(3,0) Multicultural Aspects of Communication Differences and Disorders: PR: Graduate standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on African, Hispanic, Asian, and Native-American cultures. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPA 5554</td>
<td>SPA 5554 HPA-COM SC&amp;DIS 3(3,0) Counseling in Communicative Disorders: PR: Senior Status or C.I. Interviewing and counseling for individuals with communication disorders and their families. Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 3003</td>
<td>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. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 3503</td>
<td>SPB 3503 BA-BA 3(3,0) Introduction to Sport Business Management: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The ethics and moral issues in sport and their business implications focusing on the responsibilities of decision makers in professional, collegiate, and Olympic sport. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 3603</td>
<td>SPB 3603 BA-BA 3(3,0) Diversity and Social Issues in Sport Business Management: PR: SPA 3003 with a &quot;C&quot; (2.0) or better, and either FIN 2100 and MAR 3023 each with a &quot;C&quot; (2.0) or better or admission to a business major. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 3823</td>
<td>SPB 3823 BA-BA 3(3,0) The Role of Business Entrepreneurship in Sports/Entertainment: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision making. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 4104</td>
<td>SPB 4104 BA-BA 3(3,0) Intercolligate Sport Industry: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 4204</td>
<td>SPB 4204 BA-BA 3(3,0) Professional Sport Industry: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 4304</td>
<td>SPB 4304 BA-BA 3(3,0) Sports Event and Facility Management: PR: SPA 3003 with a &quot;C&quot; (2.0) or better, and either FIN 2100 and MAR 3023 each with a &quot;C&quot; (2.0) or better or admission to a business major. The principles of facility and event management in sport business and their applications in professional, collegiate, and Olympic sport. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 4404</td>
<td>SPB 4404 BA-BA 3(3,0) Sport Business Law: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The legal framework for sport business management and its applications in professional, collegiate, and Olympic sport. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>SPB 4704</td>
<td>SPB 4704 BA-BA 3(3,0) Sport Business Strategy: PR: SPA 3003 with a &quot;C&quot; (2.0) or better. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.</td>
<td>3(3,0)</td>
<td></td>
</tr>
</tbody>
</table>
Human behavior in group situations.

SPC 1603C COS-COMM 3(1,1,5)

SPC 1603H COS-COMM 3(3,0)

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 1-3(1-3,0)
Debating: Practitioner 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 3311, or C.I. Nature of the communication process; variables affecting it; group processes. Graded S/U. Fall, Spring.

SPC 3425C COS-COMM 3(2,1)
Group Interaction and Decision-Making: PR: or CR: COM 3311, or C.I. A study of small group processes. Attention is given to problem solving, leadership, emergence, conformity behavior, and group member role responsibilities. Occasional.

SPC 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: or CR: COM 3311, or C.I. 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 1608, SPC 1603C, 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 1608, SPC 1603C, COM 1000, 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, tacile 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.
SPN 3402 CAH-LANG 3(3,0) Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intermediate Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3420 CAH-LANG 3(3,0) Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3512 CAH-LANG 3(3,0) Contemporary Spanish Culture Abroad: PR: SPN 3101 or 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0) Advanced Spanish Oral Communication: PR: SPN 2241 or equivalent. Vocabulary building with systematic training in dictation and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0) Structure of the Spanish Language: PR: SPN 3402. Linguistic theory applied to analysis of Spanish language. Includes systematic study of sound patterns, semantics, word formation, and socialization. Occasional.

SPN 3852 CAH-LANG 3(3,0) Bilingualism: PR: SPN 3420, SPN 3402 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.

SPN 3933 CAH-LANG 1(1,0) Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0) Business Spanish IV: PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Spring.

SPN 4410 CAH-LANG 3(3,0) Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0) Advanced Spanish Composition: 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.

SPN 4510 CAH-LANG 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-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 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 American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 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.

SPN 4800 CAH-LANG 3(3,0) Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0) Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criteria when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 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.

SPN 5505 CAH-LANG 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.

SPN 5506 CAH-LANG 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.

SPN 5705 CAH-LANG 3(3,0) Introduction to Spanish Linguistics: 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.

SPN 5845 CAH-LANG 3(3,0) History of the Spanish Language: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

SPN 5920 CAH-LANG 3(3,0) AP Spanish Literature: 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 literature, comprehension, speaking, reading, and writing. Occasional.

SPS 5177 ED-CFCS 3(3,0) Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SPS 5605 ED-CFCS 3(3,0) Building and Improving Relationship and Emotional Intelligence: PR: Graduate standing or C.I. Students will learn to develop and improve relational and emotional intelligence and demonstrate an understanding of social emotional learning and how it enhances psychosocial wellbeing. Odd Spring.

SPT 3800 CAH-LANG 3(3,0) Spanish Translation and Interpretation: PR: Permission of Honors and Junior standing or C.I. 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.

SPT 3805 CAH-LANG 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.

SPT 3808 CAH-LANG 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.

SPT 3831 CAH-LANG 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. Main 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. Main literary currents and works from 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. Main literary currents and works from 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 Novel: PR: SPW 3101 or SPW 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 3100 or C.I. A study of the drama of the Golden Age, with special emphasis on Lope, Tirso, Alarcón, and Calderón. The controversies of the contemporary 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: SPN 3100 or SPW 3130 or SPW 3131 or SPN 3370 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.
UCF Courses and Descriptions

SPW 4381 CAH-LANG 3(3,0)
Latin-American Theatre/Poetry: PR: SPW 3100 or SPW 3101 or SPW 3130 or SPW 3132 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 4382 CAH-LANG 3(3,0)
Central American Literature: PR: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history. Taught in Spanish. 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 textual 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)
Cervantés: 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.

SPW 4770 CAH-LANG 3(3,0)
Caribbean Spanish Literature: PR: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

SPW 4772 CAH-LANG 3(3,0)
Black Presence in Contempory Latin American Literature: PR: SPW 3101 or SPW 3131 or C.I. Analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3,0)
Puerto Rican Literature: PR: SPW 3100 and SPW 3101 or SPW 3130 and SPW 3131, Puerto Rican Literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5471 CAH-LANG 3(3,0)
Contemporary Spanish American Southern Cone Literature: PR: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

SPW 5795 CAH-LANG 3(3,0)
Jewish Culture in Latin America: PR: Spanish M.A. program or graduate student proficient in Spanish. History of the arrival of Jews in Latin America and studies of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3,0)
Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring.

SSE 4361 ED-TL&L 3(3,0)
Social Science Instructional Analysis: PR: EDG 4410 or SSE 4935. CRT: SSE 3960. Evaluation of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

SSE 4936 ED-TL&L 3(3,0)
Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science major. Fall.

SSE 5391 ED-TL&L 3(3,0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching around the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3,0)
Democracy and Education: PR: Graduate standing or C.I. Examines the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3,0)
Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Professional preparation certificate. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1063C COS-STAT 3(2,1)
Basic Statistics Using Microsoft Excel: Applications of Excel; manipulating 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 2023H COS-STAT 3(3,0)
Honors Statistical Methods I: PR: Permission of Honors. Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-IEMS 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; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

STA 3032H ECS-IEMS 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)

STA 4102 COS-STAT 3(3,0)
Computer Processing of Statistical Data: PR: STA 4103 and knowledge of a language. Use of packages such as SASS, 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 4103 (or old STA 3180) or STA 3183 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 4131 COS-STAT 3(3,0)

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 for analyzing data, statistical 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)

STA 4173 COS-STAT 3(3,0)

STA 4183 COS-STAT 3(3,0)
Theory of Interest: PR: MAC 2312 (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)

STA 4186 COS-STAT 3(3,0)

STA 4222 COS-STAT 3(3,0)

STA 4321 COS-STAT 3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032; CR: STA 4321. Probability and measure spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4322 COS-STAT 3(3,0)

STA 4502 COS-STAT 3(3,0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.

STA 4504 COS-STAT 3(3,0)

STA 4641 COS-STAT 3(3,0)
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 4664</td>
<td>Statistical Quality Control</td>
<td>PR: STA 2023 or STA 3032. Statistical concepts and methods applied to the control of quality of manufactured products. Occasional.</td>
</tr>
<tr>
<td>STA 5045</td>
<td>Statistical Analysis of Communication Data</td>
<td>PR: STA 2023 or C.I. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. Fall, Spring.</td>
</tr>
<tr>
<td>STA 5104</td>
<td>Advanced Computing/Processing of Statistical Data</td>
<td>PR: STA 4163 and knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.</td>
</tr>
<tr>
<td>STA 5175</td>
<td>Biometry</td>
<td>PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biological/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.</td>
</tr>
<tr>
<td>STA 5176</td>
<td>Introduction to Biostatistics</td>
<td>PR: STA 4163 or STA 4173. Graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation; graphical data presentation; data analysis; creating analytical reports. Fall.</td>
</tr>
<tr>
<td>STA 5205</td>
<td>Experimental Design</td>
<td>PR: STA 4164, STA 5289 or ESI 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; Incompletely block designs, factorial and fractional designs; design resolution. Spring.</td>
</tr>
<tr>
<td>STA 5206</td>
<td>Statistical Analysis</td>
<td>PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypothesis; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.</td>
</tr>
<tr>
<td>STA 5505</td>
<td>Categorical Data Methods</td>
<td>PR: STA 4163 or STA 5289, and graduate status or senior standing or C.I. Considers discrete probability distributions, contingency tables, measures of association, and advanced methods, including logistic modeling, logistic regression, McNemar's Test, Mantel-Haenszel test. Occasional.</td>
</tr>
<tr>
<td>STA 5703</td>
<td>Data Mining Methodology I</td>
<td>PR: STA 5104 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.</td>
</tr>
<tr>
<td>STA 5825</td>
<td>Stochastic Processes and Applied Probability Theory</td>
<td>PR: STA 4321, and graduate status or senior standing or C.I. Conditional probability and conditional expectations, sequences of random variables, branching processes, random walks, Markov chains, recurrent events, renewal theory, queuing theory, and simple stochastic processes. Spring.</td>
</tr>
<tr>
<td>SYA 3110</td>
<td>Social Theory</td>
<td>PR: SYG 2000 or C.I. Theories concerning the nature of mankind as a &quot;social being.&quot; The nature of society from the beginnings of the scientific study of human life to World War II. Spring.</td>
</tr>
<tr>
<td>SYA 3400C</td>
<td>Applied Social Statistics</td>
<td>PR: SYG 2000 or C.I. Sociological data analysis. Techniques to sociological data as conducted in the research and writing of social scientists. Focus is on the analysis and interpretation of data used by sociologists. Fall.</td>
</tr>
<tr>
<td>SYA 4300C</td>
<td>Research Methods</td>
<td>PR: SYG 2000 or C.I. Sociological data analysis. Techniques to sociological data in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.</td>
</tr>
<tr>
<td>SYA 4310C</td>
<td>Qualitative Research Analysis in Sociology</td>
<td>PR: SYG 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.</td>
</tr>
<tr>
<td>SYA 4450</td>
<td>Data Analysis</td>
<td>PR: SYG 2000 or C.I. Advanced social research design and analytical skills. Emphasis on social data analysis, various modes of social data analysis, interpretation, integration, presentation, and report writing. Spring.</td>
</tr>
<tr>
<td>SYA 5565</td>
<td>ProSeminar</td>
<td>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.</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity</td>
<td>PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.</td>
</tr>
<tr>
<td>SYD 3800</td>
<td>Sex and Gender in Society</td>
<td>PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.</td>
</tr>
<tr>
<td>SYD 5517</td>
<td>Environment and Society</td>
<td>PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment Occasional.</td>
</tr>
<tr>
<td>SYD 5795</td>
<td>Class, Race, and Gender in American Society</td>
<td>PR: Graduate standing or C.I. Using theoretical and empirical studies, this course provides a sociological examination of the intersections of race, class, and gender in American society. Occasional.</td>
</tr>
<tr>
<td>SYG 2000H</td>
<td>Honors Introduction to Sociology</td>
<td>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.</td>
</tr>
<tr>
<td>SYG 2010</td>
<td>Social Problems</td>
<td>PR: SYG 2000, ANT 2000, PSY 2012, or Junior standing. Examination of social problems such as mental disorders, sexual deviance, racial discrimination, poverty, community disorganization, and violence. Fall, Spring.</td>
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</tbody>
</table>
UCF Courses and Descriptions


SYO 3410H COS-SOC 3(3,0) Honors Patterns of Mental Health in Society: PR: Consent of Honors or C.I. A sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. With Honors content. Occasional.

SYO 3530 COS-SOC 3(3,0) Social Power and Inequality: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.


SYO 4200 COS-SOC 3(3,0) Religion in Society: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYO 4250 COS-SOC 3(3,0) Education and Social Achievement: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYO 4300 COS-SOC 3(3,0) Political Sociology: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological analysis of political and parapolitical groups; socioeconomic variable of voting behavior, power elites; societies and systems of government. Occasional.

SYO 4323 COS-SOC 3(3,0) Community and Diversity: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYO 4400H COS-SOC 3(3,0) Honors Medical Sociology: PR: Consent of Honors or C.I. Analysis of patient behavior, health practitioners, the social organization of health services, and delivery of health care. With Honors content. Occasional.

SYO 4401 COS-SOC 3(3,0) Social Determinants of Health: PR: SYG 2000, ANT 2000 or PSY 2012 or C.I. Examination of the ways social characteristics structure or shape health patterns in the U.S. population. Occasional.

SYO 4402 COS-SOC 3(3,0) Sociology of Health and Illness Behavior: PR: C.I. To examine the relationship between contemporary public culture and social institutions, collective identities, social change, gender, ethnicity and age. Occasional.


SYO 4004 COS-SOC 3(3,0) Constructing Social Issues: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Sociological examination of social problems as an emergent process that involves collective definitions and legitimating organizations. Topics include deviance, race, gender and popular culture. Occasional.

SYO 4304 COS-SOC 3(3,0) Social Movements and Revolutions: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Comparative sociology of revolutions and the sociological research on social movements. Occasional.


SYO 4651 COS-SOC 3(3,0) Sociology Through Film: PR: One of SYG 2000, ANT 2000, PSY 2012, or Junior standing. Developing students' sociological imagination by viewing, discussing, and analyzing films. Occasional.


SYO 5005 COS-SOC 3(3,0) Sociological Social Psychology: PR: Graduate standing or C.I. An exploration of sociological social psychological theories and their application in understanding the effects of society and groups on the individual. Occasional.

SYO 5525 COS-SOC 3(3,0) Sociological Criminology: PR: Graduate standing or C.I. To examine current sociological knowledge and research on various issues in Criminology, and to further students' skills in developing/conducting research projects. Occasional.

SYO 5566 COS-SOC 3(3,0) Seminar on Domestic Violence: Theory, Research and Social Policy: PR: Graduate status or senior standing or C.I. A sociological examination and exploration of theories, empirical research and social policy related to the study of domestic violence. Occasional.
TAX 4001 BA-ACCT  3(3,0)
Advanced Tax Topics: focus on corporations and partnerships. TAX 4001 with a “C” (2.0) or better. Advanced tax issues

THE 2081C CAH-THEA  3(2,1)
Theatre Studies in Creative Drama: Not restricted to theatre majors. Honors-level overview of the art and craft of the theatre. Fall, Spring.

THE 2090L CAH-THEA               1(0,VAR)
Period Costumes, Furniture, and Decor: PR: Admission into the MFA/MA Theatre programs or C.I. An in-depth study of the theatre production in the late 20th century. Even Fall.

THE 3313 CAH-THEA  3(3,0)
Theatre History and Dramatic Literature II: PR: Theatre major, “C” (2.0) or better in THE 3312, THE 3313, Restricted to Theatre majors or minors. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2090L CAH-THEA               1(0,VAR)
Theatre Participation-Management II: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4093L CAH-THEA               1(0,VAR)
Theatre Participation-Management III: PR: Theatre major or minor; “C” (2.0) or better in THE 3312, THE 3313, Restricted to Theatre majors or minors. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3240 CAH-THEA  3(3,0)
Musical Theatre Survey: PR: Grade of “C” (2.0) or better required in THE 2081C. Study of Musical Theatre from the Ancient Greeks through the present day. Occasional.

THE 3250 CAH-THEA  3(3,0)
Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.

THE 3272 CAH-THEA  3(3,0)

THE 3311 CAH-THEA  3(3,0)
Theatre History and Dramatic Literature I: PR: Theatre major, “C” (2.0) or better in THE 2305 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA  3(3,0)
Theatre History and Dramatic Literature II: PR: Theatre major, “C” (2.0) or better in THE 3311, THE 2305 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Fall, Spring.

THE 3333 CAH-THEA  3(3,0)
Shakespeare Skills: PR: Grade of “C” (2.0) or better in THE 2081C. Study of Shakespeare’s heightened language, scenism, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.

THE 3383 CAH-THEA  3(3,0)
Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. Occasional.

THE 4212 CAH-THEA  3(3,0)
Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Textual content of various countries with an emphasis on non-western cultures. Occasional.

THE 4244 CAH-THEA  3(3,0)
Musical Theatre History I: PR: B.F.A. Musical Theatre major; “C” (2.0) or better in THE 2081C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA  3(3,0)
Musical Theatre History II: PR: B.F.A. Musical Theatre major; “C” (2.0) or better in THE 2081C. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA  3(3,0)
Period Costume, Architecture, and Decor I: PR: “C” (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. Fall.

THE 4285 CAH-THEA  3(3,0)
THE 5946L CAH-THEA  3(2.0)
Advanced Scenography: PR: "C" (2.0) or better in TPA 3060C, TPA 3045C, TPA 3265C, or TPA 3223C. Projects based on work with students of concentration. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

TPA 4224C CAH-THEA  3(2.0)
Lighting Design for Theatre II: PR: "C" (2.0) or better in TPA 3223C. Project lighting design work with an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices. Occasional. M&S fee $37.00

TPA 4250C CAH-THEA  3(2.0)
CADD for Theatre: PR: Design and Technology or Stage Management major. "C" (2.0) or better in THE 2081C. Computer-aided drafting and design and its application for Theatre. Occasional. M&S fee $23.00

TPA 4251C CAH-THEA  3(2.0)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and its application for Theatre. Spring. M&S fee $43.00

TPA 4264C CAH-THEA  3(2.0)
Sound Design for Theatre II: PR: "C" (2.0) or better in TPA 3265C. Project sound design work with an emphasis on design communication and professional standards and practices. Occasional.

TPA 4290L CAH-THEA  10.0
Event Participation-Production: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 5 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. 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 2081C and Junior standing. Restricted to theatre majors or Departmental consent. Study of the development, organization, management, funding, and promotion of theatre programs. Additional emphasis placed on management theory and style. Fall.

TPA 4401C CAH-THEA  3(2.2)
Theatre Careers in Production: PR: B.F.A. Design or Stage Management; Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.

TPA 4602 CAH-THEA  3(3.0)
Advanced Stage Management: PR: B.F.A. Stage Management major. "C" (2.0) or better required in TPA 3601. Skills necessary for stage managers in contemporary entertainment. Fall.

TPA 5029C CAH-THEA  3(2.2)
Lighting Design Studio: PR: TPA 5042C and TPA 5062C. Advanced work in the process of designing light for the stage 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. A study of design elements (lighting, costume, set) as they apply to youth theatre. Odd 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). Spring.

TPA 5085C CAH-THEA  3(2.2)
TPA 5095C CAH-THEA  (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) Rendering for Theatre II: PR: TPA 5095C. Software and technology available for visual communication and documentation. Spring.

TPA 5345C CAH-THEA  (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) 3D Modeling for Theatre: PR: TPA 5345C. Three-dimensional computer modeling and editing techniques applicable for theatre design. Occasional.

TPA 5405 CAH-THEA  (3,0) Theatre Management for Non-Majors: PR: THE 2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with special attention to the principles of management to include management skills/function and responsibilities during the rehearsals/performances of plays produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 2101 CAH-THEA  (3,0) Design Practicum I: PR: Admission into the MFA Design program. Practical experience as a member of the production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.

TPP 2110C CAH-THEA  (2,2) Acting I - Introduction: PR: B.F.A. Theatre major, and C (2.0) or better in THE 2081C. Development of imagination, self-awareness and the ability to execute basic stage tasks. Fall, Spring.

TPP 2170C CAH-THEA  (2,2) Acting II - The Actor Prepares: PR: "C" (2.0) or better in TPP 2110C. Fundamental techniques to acting, with emphasis on characterization and character development. Fall, Spring.

TPP 2185 CAH-THEA  (3,0) Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.

TPP 2190L CAH-THEA  (10,VAR) Theatre Participation-Performance I: PR: Theatre major or minor and permission consent. Participation in UCF Theatre productions. May be repeated for credit. Fall, Spring. M&S fee $48.00

TPP 2700C CAH-THEA  (3,2) Stage Speech/Voice: PR: BA Theatre major or minor and "C" (2.0) or better in THE 2081C. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Spring.


TPP 3103 CAH-THEA  (3,0) Intermediate Acting: PR: B.A. Theatre Studies major, B.F.A Design & Technology major, Theatre minor or "C" (2.0) or better in TPP 2101. Practice and execution of scene work, monologue work, and exercises. Fall, Spring.

TPP 3173C CAH-THEA  (3,2) Acting III - Building the Character: PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of acting techniques begun in Acting II, with emphasis on characterization and character development. Spring.

TPP 3197L CAH-THEA  (3,0,VAR) Summer Theatre/Performance: PR: Audition/Interview or departmental consent. Production assignments and responsibilities during the rehearsals/performances of plays produced on the UCF mainstage. May be used in the degree program a maximum of 8 times. Occasional. M&S fee $20.00

TPP 3251 CAH-THEA  (3,2) Musical Theatre Acting I: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 2110C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA  (3,0) Musical Theatre Acting II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3251. Practical acting technique as it applies to musical theatre scene study. Spring.

TPP 3257C CAH-THEA  (2,2) Musical Theatre Voice I: PR: B.F.A. Musical Theatre or B.F.A. Acting major and "C" (2.0) or better in THE 2081C. Craft of singing including anatomy, physiology, and diction utilizing musical theatre repertoire. Spring.

TPP 3258C CAH-THEA  (2,2) Musical Theatre Voice II: PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song interpretation utilizing musical theatre repertoire. Fall.

TPP 3264C CAH-THEA  (3,2) Acting on Camera: PR: BA Theatre major, "C" (2.0) or better in TPP 2110, TPP 3103, and THE 2081C. Preparing the actor for professional work in the TV/Film industry. Occasional.

TPP 3310C CAH-THEA  (3,2) Directing for Theatre I: PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3312. Principles and techniques of play direction to include script selection, directional analysis, casting, composition/picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA  (2,1) Movement for the Actor I: PR: BFA 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  (2,1) 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  (2,1) 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  (2,1) Voice Production III: PR: "C" (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. 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  (3,2) Acting IV - Creating the Role: PR: "C" (2.0) or better in TPP 3173C. Continued exploration and application of acting techniques through scene study. Fall.

TPP 4142C CAH-THEA  (3,2) Acting Verse: PR: Grade of C (2.0) or better required in TPP 2710C. Verse drama with particular emphasis placed on scansion and verse in the plays of William Shakespeare. Occasional.

TPP 4143C CAH-THEA  (3,2) Acting Styles: PR: "C" (2.0) or better in TPP 3103 or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA  (10,VAR) Theatre Participation-Performance II: PR: Theatre major or minor and "C" (2.0) or better in TPP 2101L. 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  (3,0) Auditioning: PR: "C" (2.0) or better in TPP 2101C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA  (3,2) Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA  (3,2) Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101, TPP 2110C and THE 2081C or THE 2051C. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA  (3,2) The Art of Storytelling: PR: Theatre major or minor, "C" (2.0) or better in TPP 2101, TPP 2185, or TPP 2110C and THE 2000 or THE 2061C. Application of theatrical storytelling as an art form. Occasional.

TPP 4253C CAH-THEA  (3,2) Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3258C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259C CAH-THEA  (2,2) Music Theatre Voice III: PR: "C" (2.0) or better in TPP 2710C. Diagnosis and remedy of unique vocal challenges - utilizing musical theatre repertoire. Individualized instruction. Spring.

TPP 4265C CAH-THEA  (3,2) Camera Acting: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Occasional.

TPP 4270C CAH-THEA  (2,2) Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4023C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271C CAH-THEA  (2,2) Music Theatre Voice VII: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to music theatre performance. Individualized instruction. Fall.

TPP 4311C CAH-THEA  (3,2) Advanced Directing for Theatre: PR: "B" (3.0) or better in TPP 3301C. Practical experience directing class scenes and projects. Spring.

TPP 4512C CAH-THEA  (2,2) Stage Combat: PR: B.F.A Acting or Musical Theatre major, grade of C (2.0) or better in TPP 3711C. Musical Theater production and senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4531C CAH-THEA  (2,1) Period Movement: PR: Grade of C (2.0) or better required in TPP 3173C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.
UCF Courses and Descriptions

TPP 4730C CAH-THEA  2(2,1)
Dialects: Pr: Grade of "C" (2.0) or better in TPP 3710C. Analysis of dialects and regionalsisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746C CAH-THEA  2(2,2)
Musical Theatre Repertoire: Pr: Theatre major and grade of "C" (2.0) or better in TPP 3257C. Advanced musical theatre repertoire course in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

TPP 4923C CAH-THEA  2(2,2)
Musical Theatre IV: Pr: "C" (2.0) or better in TPP 4250C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA  6(0,VAR)
Theatre Internship: Pr: Restricted to B.F.A. Theatre majors, and Junior 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(2,2)
Improvisation Studio: Pr: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop students' creative freedom, and fundamental skills and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA  2(2,2)
Acting Studio II: Pr: TPP 5156C. Advanced acting and speech training designed for the M.F.A. Program. Development of the singing voice and its articulation of sound, breathing, relaxation of physical tension, and articulation Fall.

TPP 5240C CAH-THEA  2(2,2)
Circus Arts: Pr: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA  2(2,2)
Storytelling as a Theatrical Art Form: Pr: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273C CAH-THEA  2(2,0)
Musical Theatre Acting I: Pr: TPP 5157C. Integrated study of musical theatre acting, singing, movement, and performance. May be used in the degree program a maximum of 5 times. Odd Spring.

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(2,3)
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 5510 and THE 5365. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515C CAH-THEA  2(2,0)
Movement Studio I: Pr: Admission to M.F.A 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 uninformed combat. Spring.

TPP 5516C CAH-THEA  2(2,1)
Movement Studio II: Pr: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic uninformed combat. Spring.

TPP 5553C 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 characteristic 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, relaxation of physical tension, and articulation Fall.

TPP 5716C CAH-THEA  2(2,1)
Stage Voice II: Pr: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner's 'twin transcription' with consonants, review of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754C CAH-THEA  2(2,0)
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 MFA graduate program 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 CAH-LANG  3(3,0)
English as an International Language: Pr: "C" (2.0) or better. 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(3,0)
Theory and Practice of Teaching ESOL Students in Schools: Pr: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL), ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESOL Fall, Spring.

TSL 4240 CAH-LANG  3(3,0)

TSL 4363 CAH-LANG  3(3,0)
ESL Classroom Experiences: Pr: TSL 3346 (5 or better). Practical instruction and experiences for future teachers of English as a second language in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L  3(3,0)
ESOL Field Experience: 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(3,0)

TSL 4945 ED-TL&L  3(3,0)
ESOL Field Experience: Pr: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy to second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L  3(3,0)
Teaching Language Minority Students in K-12 Classrooms: Pr: Permission to C.A. Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG  3(3,0)
ESOL Strategies: Pr: Graduate 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(3,0)
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.

TSL 5376 CAH-LANG  3(3,0)
Reading and Writing in a Second Language: Pr: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG  3(3,0)
Computers and Technology for ESOL: Pr: Graduate status or C.I. Emphasizes assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L  3(3,0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and understand their special needs. Occasional.

TSL 5561 CAH-LANG  3(3,0)
Second Language Vocabulary Learning: Pr: Graduate standing or C.I. Considers issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. Occasional.

TSL 5940 CAH-LANG  3(3,0)
Issues in TEFL: Pr: Graduate status or senior standing or C.I. Address issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-CECE  3(3,0)
Highway Engineering: Pr: STA 3032 with a grade of "C" (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-CECE  3(3,0)
Transportation Engineering Systems: Pr: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE  3(2,2)
Urban Systems Design: Pr: TTE 3810 with a grade of "C" (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alternative intersections, O.C. Manual. M & S fee $25.00

TTE 5204 ECS-CECE  3(3,0)
Traffic Engineering: Pr: TTE 3810 or C.I. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5805 ECS-CECE  3(3,0)
Geometric Design of Transportation Systems: Pr: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE  3(3,0)
 Pavement Design: Pr: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.
VIC 3001 COS-COMM 3(3,0)
Visual Communication: PR: Either SPC 1608, SPC 1609, COM 1000, or C.I. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012 CAH-HIST 3(3,0)
World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first anthropologically to the great civilizations of medieval times. Fall, Spring.

WOH 2012H CAH-HIST 3(3,0)
Honors World Civilization I: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3,0)
World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3,0)
Honors World Civilization II: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WST 5476 CAH-HIST 3(3,0)
Age Beyond Atlantic Revolutions 1763-1826: AMH 2010 or C.I. Compares origins, development, and outcomes of the American, French, Latin American, and Haitian Revolutions. Occasional.

WST 3015 CAH-WOM 3(3,0)
Introduction to Women's Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM 3(3,0)

WST 3020 CAH-WOM 3(3,0)
Girls’ Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3371 CAH-WOM 3(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(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 3460H CAH-WOM 3(3,0)

WST 3500 CAH-WOM 3(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(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(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.
ZOO 4747C COM-BSBS 4(3,1)
Clinical Neuroscience: PR: ZOO 3744 or ZOO 4743C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neurooncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.

ZOO 4753C COM-BSBS 4(3,3)
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&S fee $25.00

ZOO 5463C COS-BIOL 4(2,4)
Herpetology: 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 amphibians and reptiles, their classification, evolution, and life histories. Odd Spring. M&S fee $60.00

ZOO 5475L COS-BIOL 3(0,6)
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&S fee $30.00

ZOO 5486 COS-BIOL 4(4,0)
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.

ZOO 5745C COM-BSBS 4(3,3)
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&S fee $15.00

ZOO 5748C COM-BSBS 5(3,2)
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.

ZOO 5749C COM-BSBS 5(3,2)
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neurooncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.
BAZ, GHADA, Instructor of Management (2011), B.A., M.B.A. (Georgia State University)
BEAM, STEPHEN, Assistant Professor of Military Science (2013), B.S., M.B.A. (University of Phoenix)
BECKER, DEBORAH, Associate Faculty, College of Education & Human Performance (2001), B.A., M.S.Ed., Ed.D. (University of Central Florida)
BECKER, LYNN, Instructor of Management (1996), B.S., M.B.A. (University of Central Florida)
BECKMAN, JAMES A, Associate Professor and Department Chair of Legal Studies (2011), B.A., J.D., LL.M. (Georgetown University)
BEDWELL, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S., Ph.D. (University of Georgia)
BEG, SHAZIA, Instructor of Psychology (2001), B.A., M.A. (Ohio University)
BEGH, SHAZIA, Instructor of Psychology (2001), B.A., M.A. (Ohio University)
BELLEW, MICHAEL, Assistant Professor of Psychology, College of Undergraduate Medical Education and Professor of Biology (2012), B.S., M.S., Ph.D. (Ohio State University)
BERRY, WENDY, Instructor, College of Education & Human Performance (2009), B.S., M.S. (Florida International University)
BHANUSALI, NEHA, Assistant Professor of Rheumatology (2013), M.D. (St. George's University)
BHARGWAJ, PRADEEP, Associate Professor of Marketing (1998), BE, MBA, Ph.D. (University of Technology)
BHATTACHARYA, ANIKET, Associate Professor of Physics (2000), Ph.D. (University of Maryland)
BHARAVAR, RAMESH, Lecturer of Mechanical and Aerospace Engineering (2011), M.S., Ph.D. (Queen's University)
BIDDLE, JEFFREY, Instructor, College of Education & Human Performance (2010), B.A.S., M.A. (University of Central Florida)
BINDELL, JEFFREY B, Lecturer of Physics (2002), B.S., M.S., Ph.D. (Polytechnic Institute of Brooklyn)
BIRAIMAH, KAREN L, Director and Professor, College of Education & Human Performance (1985), B.A., M.A., M.S.Ed., Ph.D. (State University of New York at Buffalo)
BISHOP, CORENNE G, Assistant Librarian (2008), B.A., M.L.I.S. (Florida State University)
BLAIR, TIMOTHY R, Associate Professor of Theatre (2002), M.A. (University of Puerto Rico)
BOSSY-WETZEL, ELLA, Associate Professor (2007), Ph.D. (Florida State University)
BOTTORFF, TIMOTHY J, Assistant Professor, College of Undergraduate Medical Education (1990), B.A., M.L.I.S. (University of Illinois)
BOWDEN, 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, Professor of Psychology (1994), B.A., M.A., Ph.D. (University of Southern California)
BREITER, DEBORAH, Professor of Convention and Conference Management and Professor of Hospitality Management (2000), B.A., M.P.S., Ph.D. (University of South Carolina)
BRENNAN, JOSEPH P, Professor of Mathematics and Secondary Joint Professor, Nanoscale Science Technology Center (2006), B.A., Ph.D. (University of Illinois at Urbana-Champaign)
BREW, COREY, Assistant Professor of Psychology (2011), Ph.D. (University of Texas)
BRODIE, LYMAN A, Associate Vice Provost, Professor of Music (1990), B.A., M.M.E. (University of North Texas)
BROOKES, LISA, Instructor, College of Education & Human Performance (2006), B.S., M.Ed. (University of Central Florida)
BROPHY, JAMES C, Lecturer of Psychology (2008), B.A., Ph.D. (Vanderbilt University)
BROUGHTON, MARK W, Associate Professor of Theatre (1996), B.F.A., M.F.A. (Pennsylvania State University)
BROWN, JAMES C, Lecturer of Theatre (2001), B.F.A., M.F.A. (San Diego State University)
BROWN, KEVIN, Visiting Associate Professor of Social Work (2013), B.A., M.S.W., Ph.D. (Florida State University)
BROWN, TIMOTHY F, Associate Professor of Communication (2005), B.A., M.F.A. (University of South Carolina)
BRUECKNER, THOMAS, Lecturer of Physics (2004), M.S., Ph.D. (Montana State University)
BRUNNER, DAVID L, Director of Choral Activities and Professor of Music (1986), B.M.E., M.M., D.M.A. (University of Illinois)
BRUNSON, RICK, Instructor of Communication (2003), B.A., M.A. (University of South Florida)
BRYAN, MATTHEW, Lecturer of Writing & Rhetoric (2009), B.A., M.F.A. (University of Central Florida)
BRYER, THOMAS, Associate Professor of Public Administration (2007), B.A., M.P.A., Ph.D. (University of Southern California)
BUNN, SUZAN, Internship Coordinator/Instructor of Hospitality Management (2000), B.A., M.S. M. (University of Central Florida)
BURG, MARY ANN, Professor of Social Work and PAG Program Coordinator (2010), B.A., M.S.W., Ph.D. (University of Florida)
BURRELL, JASON E, Lecturer of SVAD (2002), B.A., M.F.A. (University of Cincinnati)
CLAUSEN, CHRISTIAN A., III, Professor of Chemistry (1969), B.S., Ph.D. (Louisiana State University)
CLEAVENGTER, DEAN J., Lecturer of Management (2007), B.B.A., M.B.A., Ph.D. (University of Mississippi)
CLERCX, BYRON D., Professor and Director of SVAD (2013), M.F.A. (California State University at Fullerton)
COFFEE, CAROLE, Professor of Biochemistry (2010), Ph.D. (University of Kentucky)
COFFEY, KEVIN, Professor of Materials Science and Engineering (2002), Ph.D. (Massachusetts Institute of Technology)
COLBY, PETER W., Professor of Public Administration (1986), B.A., Ph.D. (Brandeis University)
COLDING, LINDA K., Associate Professor of SVAD (1999), B.A., M.A., M.S.L.S., D.P.A. (University of Alabama)
COLE, ALEXANDER, Professor, Coordinator of Biomedical Sciences Ph.D. (2003), Ph.D. (University of Medicine and Dentistry of New Jersey)
COLE, DWAYNE, Associate Professor of Dentistry of New Jersey (1999), B.A., M.A., M.S.L.S., D.P.A. (University of Central Florida)
COLE, DWAYNE, Assistant Professor of Marketing (2011), BS, MS, MBA, Ph.D. (University of Syracuse)
COLLINS, STEVEN, Associate Professor of Communication (2003), B.A., M.A., Ph.D. (Syracuse University)
COLON MENDOZA, ILENA, Assistant Professor of SVAD (2010), B.A., M.A., Ph.D. (Pennsylvania State University)
COLWELL, JOSHUA, Associate Chair and Professor of Physics (2006), Ph.D. (University of Colorado)
CONNER, NORMA, Assistant Professor, College of Nursing (2003), B.S., M.S., Ph.D. (Ohio State University)
CONSTABLE, LESLIE, Assistant Professor of SVAD (2007), B.S., M.S., Ph.D. (University of Central Florida)
CORTELYOU-WARD, KENDALL, Assistant Professor in Health Management (2008), B.A., M.A., Ph.D. (University of Central Florida)
COWAN, MARCEAU M., Assistant Professor of Communication (2003), B.A., M.A., M.L.S. (University of Puerto Rico)
COVELLI, MAUREEN M., Associate Dean of Undergraduate Affairs and Associate Professor, College of Nursing (1989), M.S.N., Ph.D. (University of Florida)
COVERSTON, HARRY S., Lecturer of Humanities (2003), B.A., J.D., M.Div., Ph.D. (Florida State University)
COX, KAREN, Instructor of Psychology and Director of Advising Center (2000), B.F.A, M.A. (University of Central Florida)
COX, MARIA, Faculty Administrator, College of Education & Human Performance (2007), B.A., M.A., Ph.D. (University of Illinois)
COX, THOMAS, Assistant Professor, College of Education & Human Performance (2012), B.S., M.A., Ed.D. (University of Memphis)
CRAIG, SUSAN C., Lecturer of Criminal Justice (2003), B.S., M.Ed., Ph.D. (Pennsylvania State University)
CRAMPTON, WILLIAM G., Associate Professor of Biology (2001), B.A., Ph.D. (University of Oxford, U.K.)
CREPEAU, RICHARD C., Professor of History (1972), B.A., M.A., Ph.D. (Florida State University)
Crittenden, Gwendolyn, Visiting Instructor, College of Education & Human Performance (2012), B.S., M.S., Ed.S. (University of Central Florida)
CROS, ROBERTICO, Chair, Department of Tourism, Events and Attractions, Professor of Hospitality Management (2009), B.A., M.A., Ph.D. (University Twente Netherlands)
CROFT, MAX, Research Associate, SVAD (2000), B.F.A. (Florida State University)
CRONON, CHRISTOPHER, ChAD, Lecturer of Legal Studies (2011), B.A., M.A., J.D. (University of Florida)
CRUMP, ANNE MCDONALD, Professor, College of Education & Human Performance (2005), B.S., M.A., Ph.D. (University of Kansas)
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JASPER, JANA L., Associate Dean, College of Graduate Studies and Professor of Sociology (1999), B.A., M.A., Ph.D. (University of New Hampshire)

JOHNSON, MICHAEL D., Dean, College of Sciences and Professor of Physics (1990), B.S., Ph.D. (University of Virginia)

JONES, JEFFREY, Vice Provost, UCF Regional Campuses (2013), Ph.D. (Purdue 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)

JUNTUNEN, DANA, Director, Office of Student Rights and Responsibilities (2003), B.A., M.Ed. (Tulane University)

KEATON, ALICIA, Director, Office of Student Conduct (2013), B.S., M.B.A. (Wayne State University)

KERNEK, LEE, Associate Vice President for Administration and Finance, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)

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KOROSEC, RONNIE L., Assistant Vice Provost and Associate Professor of Provost's Office Administration (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)

LANEY, PATRICE, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)

LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2002)

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LEINSING, DONNA, Executive Director/UCF Academy (1993), B.Ed., M.Ed. (University of Central Florida)

MacKOWN, PATRICIA A., Associate Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)

MASON, ROBERT, Director, Experiential Learning and Internship Program (2000), B.S., M.A. (University of Central Florida)

MASSIE, KIMYA, Director, Academic Services for Student Athletes (2001), B.A., M.S. (Michigan State University)

McCLOUD, REBEKAH, Director, Student Development and Enrollment Services, TRIO Programs (1997), B.A., M.Ed., M.S., Ed.D.

MEALOR, DAVID, Associate Vice President and Director, UCF HealthScope and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)

MERCK II, WILLIAM F., Vice President, Administration and Finance and CFO (1996), B.B.A., M.B.A. (Georgia State University)

MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)

MISIANO, AARON, Director IT Services, UCF Regional Campuses (2009), B.S. (University of Central Florida)

MORGAN, JEFFREY, Director, Emergency Management (2008), B.S., M.A. (American Military University)

NEIGHBOR, J, EDWARD, Director, Space Planning & Analysis and Professor of Geography (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

NORVELL, DAVID, Assistant Vice President for Administration and Finance, Facilities and Safety (2002), B.S.M.E. (University of Central Florida)

O'NEAL, THOMAS M., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Florida's First Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)

OCONNELL, STEPHEN, Director, First Year Advising and Exploration (2003), B.A., M.A. (Ohio State University)

OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2008), M.P.A. (Rollins College)

OMLI, STEVE, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)

OREO, GLENNA, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)

ORTIZ, VIVIAN J., Director of Project Management, Student Development and Enrollment Services (2002), B.A., M.A., Ed.S. (University of Louisiana)

PAVLOVICS, DAVID L., Assistant Vice President, Student Development and Enrollment Services (1996), B.S., M.S. (University of Tennessee)

PAYNE, RICHARD S., Associate Vice President, Administrative Services, University Relations (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)

PUTTIV, ANA, Director, Constituent Relations (2008)

PIETY, REBECCA, Director, Student Affairs Resource Center and University Testing Center (1996), B.A., M.A. (University of Central Florida)

PITTMAN, JOHN C., Associate Vice President for Administration and Finance, Debt Management (2000), B.S., M.S.A. (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. (Cornell University)

POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (1996), B.S., M.D. (Medical College of Georgia)

PRESTON, MICHAEL, Director, Office of Executive Engagement (2011), B.A., M.S. (Southern Illinois University)

PRIEST, DeLaine, Associate Vice President, Student Development and Enrollment Services (1994), B.A. (University of Alabama at Birmingham)

PYLES, MARVIN, Associate Vice President for Administration and Finance, Human Resources and Chief Human Resources Officer (2013), B.A. (University of Maryland)

REDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (Nova University)

REED, HAL C., Assistant Vice President for Administration and Finance (2000), B.A., J.D. (University of Kansas)

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 Central Florida)

ROBERTS, CHARLES, Associate Vice President for Development (2007), B.S., M.P.A. (University of Central Florida)

ROBINSON, GREGORY D., Director, Purchasing (1997), B.A., M.P.A. (University of Central Florida)

ROBINSON, SANDRA L., Dean and Professor, College of Education & Human Performance (1997), B.A., M.Ed., Ph.D. (Duquesne University)

SALEM, LAHAA E. A., Dean and Director, Professor of Optics (2009), Ph.D. (John Hopkins University)

SAWYER, CURTIS, Associate Vice President for Administration and Finance, University Services (2007), B.S. (United States Military Academy)

SCHELL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)

SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHOTT, EDWARD L., Director, University Economic Development, University Relations (2000), B.S., M.A. (South Dakota State University)

SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2001), B.S. (Berea College)

SCIULLI, JOHN, Executive Officer, Programs and Defense Transition Services (2008), B.A. (University of Central Florida)

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SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)

SCHOTT, EDWARD L., Director, University Economic Development, University Relations (2000), B.S., M.A. (South Dakota State University)

SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2001), B.S. (Berea College)

SCIULLI, JOHN, Executive Officer, Programs and Defense Transition Services (2008), B.A. (University of Central Florida)

SCIULLI, JOHN, Executive Officer, Programs and Defense Transition Services (2008), B.A. (University of Central Florida)

SCIULLI, JOHN, Executive Officer, Programs and Defense Transition Services (2008), B.A. (University of Central Florida)
TORRES, CHANDA, Assistant Vice President, Student Development and Enrollment Services (2012), B.S., M.A., Ed.D. (University of Central Florida)

TREES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)

TRIVEDI, SHREYA, University Ombuds Officer (2011), B.A. (University of Central Florida)

VAIDYANATHAN, PALLAVOOR N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)

VITTES, M. ELLIOT, Interim Vice Provost and Dean, Undergraduate Studies and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)

WALTON, ROXANE, Director, Human Resources (2002), B.S. (Stetson University)

WANG, ALVIN Y., Dean of Burnett Honors College and Professor of Psychology (1987), B.A., Ph.D. (State University of New York at Stony Brook)

WANG, WEI, Assistant Professor of Psychology (2013), B.S., M.A., M.S., Ph.D. (University of Illinois, Urbana-Champaign)

WATSON, MONTEL J., Director, Resources Management (1994), B.A., M.B.A. (Loyola University of Chicago)

WEIDMAN, DIANA, Director, Transition Services (1984), B.S., M.A., Ed.D. (University of Central Florida)

WELCH, KERRY, Associate Vice President, Student Development and Enrollment Services (2004), B.A., M.A., Ed.D. (University of Cincinnati)

WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)


WRIGHT, JENNIFER, Director, Integrity and Ethical Development (2002), A.A.S., B.S.B.A. M.A. (Appalachian State University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)
<table>
<thead>
<tr>
<th>Degree Date</th>
<th>Honoree</th>
<th>Degree</th>
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<tbody>
<tr>
<td>March 1973</td>
<td>Louis C. Murray, Doctor of Public Service</td>
<td>April 1996, Nicolaas Bloembergen, Doctor of Science</td>
</tr>
<tr>
<td>June 1980</td>
<td>Thelma Vivian Jackson Dudley, Doctor of</td>
<td>May 2000, President Oscar Arias, Doctor of Humane Letters</td>
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<tr>
<td>Humanities</td>
<td>Howard Phillips, Doctor of Public Service</td>
<td>May 2001, Reubin O'D. Askew, Doctor of Public Service</td>
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<tr>
<td>December 1981</td>
<td>Gene Burns, Master of Letters</td>
<td>Joseph M. Karp, Doctor of Science</td>
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<tr>
<td>Andrew Duda, Jr.,</td>
<td>Doctor of Agricultural Service</td>
<td>James Bacchus, Doctor of Public Services</td>
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<tr>
<td>Ferdinand Duda,</td>
<td>Doctor of Agricultural Service</td>
<td>May 2002, Richard M. DeVos, Sr., Doctor of Commercial Science</td>
</tr>
<tr>
<td>July 1982</td>
<td>Mary Jo Davis, Doctor of Public Service</td>
<td>Albert Burnett, Doctor of Commercial Science</td>
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<tr>
<td>William E. Davis,</td>
<td>Doctor of Public Service</td>
<td>Robert E. Kahn, Doctor of Science</td>
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<tr>
<td>Charles Wadsworth,</td>
<td>Doctor of Public Service</td>
<td>Harriet Elam-Thomas, Doctor of Public Service</td>
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<td>George J. Becker, Jr.,</td>
<td>Doctor of Public Service</td>
<td>March 2006, Rita Bornstein, Doctor of Humane Letters</td>
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<td>Jerry Collins, Doctor of Public Service</td>
<td>December 2006, Charles Hard Townes, Doctor of Science</td>
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<td>October 1988</td>
<td>Elie Wiesel, Doctor of Letters</td>
<td>December 2012, Sanford Shugart, Doctor of Humanities</td>
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<td>December 1988</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
<td>May 2013, President William Jeffferson Clinton, Doctor of Humanities</td>
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<tr>
<td>John D. Holloway,</td>
<td>Doctor of Public Service</td>
<td>Michael M. Crow, Doctor of Humane Letters</td>
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<td>Wolfgang-Detlef</td>
<td>Petri, Doctor of Commercial Science</td>
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<td>May 1989</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
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<td>David Albertson,</td>
<td>Doctor of Humane Letters</td>
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<td>William S. Jenkins, Doctor of Humane Letters</td>
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<td>James C. Robinson, Doctor of Public Service</td>
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<td>Charles N. Millican, Doctor of Laws</td>
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<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td>Thaddeus Seymour,</td>
<td>Doctor of Letters</td>
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<tr>
<td>May 1991</td>
<td>Roald Hoffman, Doctor of Science</td>
<td></td>
</tr>
<tr>
<td>May 1993</td>
<td>Buell G. Duncan, Jr., Doctor of Commercial Science</td>
<td></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 (GEP) 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.

BSBS: 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.ades.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.

Cl: 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.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (G) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major 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. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletics’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

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, kiosk 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 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.

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 Grade Deficiency: 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: 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, secure, 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 numbers, 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, after 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 PID (Personal Identification Number). Each time you use the PID to enter myUCF, you will also 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.)

PID: (Personal Identification Number): personal eight-digit code required when entering myUCF or the UCF Information Kiosks. The PID will no longer be used after July 1, 2014.

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, kiosk 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 Electives: a specified group of courses within a major from which students must make selections.

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.

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.

SSYC: Sophomore and Second Year Center

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 Largo, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

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 disabilities 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 are still responsible for tuition and fees for withdrawn courses.
INDEX

Absences, Attendance, or Unsatisfactory Work ............ 60

Academic
Advising .............................................. 53
Amnesty Program ................................... 63
Behavior Standards .................................. 12, 59
Calendar .............................................. 10
Honors .................................................. 61
Probation ............................................. 62
Degrees, Majors and Minors ...................................... 75
Regulations and Procedures .................................. 57
Services for Student-Athletes (ASSA) ......................... 42
Standing ................................................ 61

Academic Advising ...................................... 53
Academic Services for Student-Athletes (ASSA) ............ 42
First Year Advising and Exploration (FYAE) ................. 43
Freshmen (First Time in College - FTIC) ..................... 53
Honors College, The Burnett .................................. 53
Major Exploration Program .................................. 43
Multicultural Academic and Support Services (MASS) .... 45
Pre-Health and Pre-Law Advising ......................... 114
Responsibilities ......................................... 53
Student Academic Resource Center (SARC) .................. 46

(Accepted Educational Opportunities) ..................... 66
Accounting, Kenneth G. Dixon School of ................... 85
Accreditation ........................................... 13
Activity and Service Fee Business Office ...................... 42
Address and Email Changes ................................ 64
Administration, University .................................. 8, 555
Admission Categories .................................... 31
Admission to the Upper Division ............................. 74
Admissions and Standards Committee ......................... 63
(See also: Readmission)
Admissions, Undergraduate .................................. 30, 31
Advanced Placement Program (AP) .......................... 66
Advising, Academic ...................................... 53
Aerospace Studies (Air Force ROTC) ......................... 99
African Studies Program .................................. 80
Air Force (ROTC) ...................................... 99
Alcoholic Beverages Policy, Campus ......................... 12
Alumni Association .................................... 25
American Sign Language (ASL) ................................ 72
American Studies Program .................................. 81
Amnesty Program, Academic .................................. 63
Application for Admission ................................ 30
Application Deadlines ................................... 30
Area Studies Programs .................................. 80
Arena, CFE .............................................. 24
Army ROTC (Military Science) ................................. 100
Articulated A.S. to B.S. Programs, Statewide .............. 426

Arts and Humanities, College of ........................... 53, 79
Associate of Arts Degree ................................ 75
A.S. to B.S. Programs .................................. 426
Athletics, Intercollegiate ................................... 24
Athletic Eligibility and Retention Committee .................. 64
Athletic Training ........................................ 103
Attendance, Absences, or Unsatisfactory Work .............. 60
Audit
Registration .......................................... 57
Senior Citizen ........................................... 39, 57
Award Notification ...................................... 36
Baccalaureate Degrees .................................... 75
Baccalaureate Honors .................................... 34, 61
BE 2020 .................................................. 85
Board of Governors, Florida ................................ 8
Board of Trustees, UCF ................................ 8
Bookstores, Campus ..................................... 24
Burnett Honors College .................................... 53, 77
Burnett School of Biomedical Sciences ...................... 55, 104
Business Administration, College of ....................... 54, 84
Calendar, Academic ..................................... 10
Cambridge AICE Exams .................................... 68
Campuses, Regional ..................................... 15, 23, 56
Campus Alcoholic Beverages Policy ......................... 12
Campus Visit Experience .................................. 30
Career Services .......................................... 43
Catalog, Choice of ..................................... 70
Center for Economic Education .............................. 27
Central Florida Research Park ............................... 19
Certificates ............................................. 65, 344, 385
Certification, Enrollment .................................. 58
CFE Arena .............................................. 24
Child Care (see Creative School) .......................... 43
Classroom Responsibility .................................. 60
Clinical Experiences ..................................... 89
Communication, Nicholson School of ....................... 93
Communication Sciences and Disorders .................... 110
Communication, Nicholson School of ....................... 110
Community Sciences ..................................... 90
Computer Science, Dept. of Electrical Engineering and 95
Construction Engineering, Civil, Environmental, and 94
Continuing Education, Division of ......................... 27
Continuing Education, Division of ......................... 27
Co-op Student ......................................... 60
Cooperative Education (See Experiential Learning) ....... 26, 113
Costs, School .......................................... 36

Credits, School .......................................... 36

Counseling and Psychological Services (CAPS) .............. 43
Course Repeat Surcharges, Third Attempt ................... 64
Course Substitution - General Education Program ........ 51
Courses and Descriptions ................................ 439
Creative School for Children .............................. 43
Credit
By Examination ........................................ 69
Dual Usage ............................................. 438
While Disqualified ...................................... 62
Credit Hour Limits ...................................... 57
CREOL and FPCE ....................................... 107
Cum Laude ............................................. 61
DANTES Examination Credit ................................ 69
Daytona Beach Regional Campus ......................... 17
Dean's List ............................................. 61
Deferrals of Tuition and Fees ............................... 36
Degree Audit .......................................... 34, 51, 71
Degree Verifications, Enrollment and ......................... 58
Degrees Offered ........................................ 75, 116
Degree Requirements, Undergraduate ...................... 70

Departments and Schools
Accounting, Kenneth G. Dixon School of ................... 85
Aerospace Studies (Air Force ROTC) ......................... 99
Anthropology .......................................... 110
Art History ............................................. 110
Biological Sciences, Burnett School of ....................... 105
Chemistry .............................................. 110
Child, Family, and Community Sciences ................... 90
Civil, Environmental, & Construction Engineering .......... 93
Communication, Nicholson School of ....................... 110
Communication Sciences and Disorders .................... 102
Criminal Justice ........................................ 102
Economics .............................................. 86
Educational and Human Sciences ............................. 90
Electrical Engineering and Computer Science .............. 95
English ............................................... 81
Finance ................................................ 86
Health Management and Informatics ......................... 102
Health Professions ..................................... 103
History ............................................... 81
Industrial Engineering and Management Systems .......... 97
Legal Studies .......................................... 103
Management .......................................... 86
Marketing .............................................. 86
Materials Science and Engineering .......................... 97
Mathematics ......................................... 111
Mechanical and Aerospace Engineering .................... 98
Military Science (Army ROTC) ................................. 100

UNIVERSITY OF CENTRAL FLORIDA

561

Undergraduate Catalog 2014-2015
Index

Modern Languages and Literatures 82
Music 82
Philosophy 111
Physics 82
Political Science 111
Public Administration 103
Psychology 112
Social Work, School of 103
Sociology 112
Statistics 112
Teaching, Learning and Leadership, School of 91
Theatre 82
Visual Arts and Design, School of 83
Writing and Rhetoric 82
Dick Pope, Sr. Institute 82
Writing and Rhetoric 82

Florida Prepaid College Plan 39
Financial Assistance, Office of Student 35, 47
Fees, Schedule of 39
Fees, Schedule of 39
Financial Assistance, Office of Student 35, 47
First Year Advising and Exploration (FYAE) 43
First Year Experience (FYE) 43
Florida-Canada Linkage Institute 28
Florida-Eastern Europe Linkage Institute 28
Florida Institute of Government at UCF 28
Florida Prepaid College Plan 39
Florida Residency for Tuition Purposes 40
Florida Solar Energy Center (FSEC) 28
Index

Grade System 59
Grade Point Average (GPA) 59

Honors College, The Burnett 53, 77
Honors in the Major 75
Hospitality Management, Rosen College of 56, 115
Housing and Residence Life 44
Humanities (see Philosophy) 82
Incomplete (“I”) Grade 59
Information Technologies and Resources 23
Institute for Simulation and Training (IST) 28
Institutes and Centers for Research 27
Institute of Statistics and Data Mining 29
Instructional Resources, Office of 23
Integrity and Ethical Development, Office of 45
Interdisciplinary Studies, Office of 56, 113
International Applicants 33
International Baccalaureate Program 66
International Centers 21
International Studies and Study Abroad Programs 26
Judiic Studies Program 81
Junior Classification 60
Kenneth G. Dixon School of Accounting 85

LEAD Scholars Academy 44
LGBTQ Services 45
Libraries, University 23
Limited Access Programs 31
Limited Non-Degree Seeking Applicants 39, 57
LINK 43
Magna Cum Laude 61
Major Exploration Program 43
Majors 64, 75, 116
Materials Science and Engineering 97
Math Placement Test, UCF 57
Meal Plans (See Housing and Residence Life) 44
Mechanical and Aerospace Engineering 98
Medical Laboratory Sciences Program 105
Medicine, College of 55, 104
Middle Eastern Studies Program 82
Military Science (Army ROTC) 100
Minors, Academic 65, 76, 344
Modern Languages and Literatures, Department of 82
Multicultural Academic and Support Services (MASS) 45
Name Changes 64
National Consortium for Academics & Sports (NCAS) 27
Nicholson School of Communication 110
No Credit (NC) Grade 59
Non-Academic Admission Clearances 63
Non-Degree-Seeking Students, Limited 39, 57
Nursing, College of 55, 106
Oak Ridge Associated Universities (ORAU) 29
Ocala Regional Campus 17
Off-Campus College Credit Programs 27
Ombuds Office, University 21
Optics and Photonics, College of 107
Orientation 31
Osceola Regional Campus, Valencia 19
Over Awards 38
Palm Bay Regional Campus 18
Parking and Transportation Services 24
Past Due Accounts 40
Payment Procedures 39
Police, UCF Public Safety and 21
Post-Baccalaureate Classification 60
Posthumus Degrees 70
Pre-Health and Pre-Law Advising 114
President’s Honor Roll 61
PRIME STEM Student Support Services Program 45

UNIVERSITY OF CENTRAL FLORIDA 562 Undergraduate Catalog 2014-2015